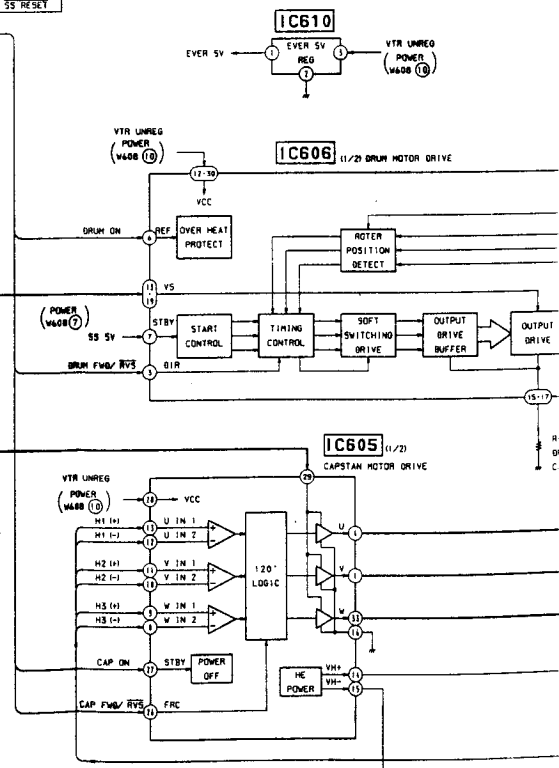
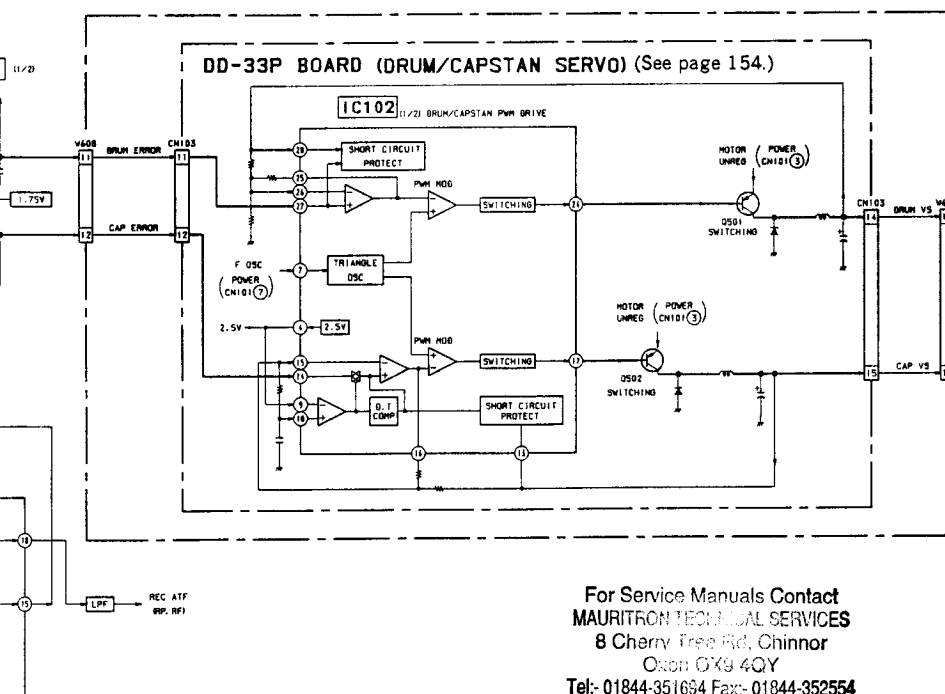
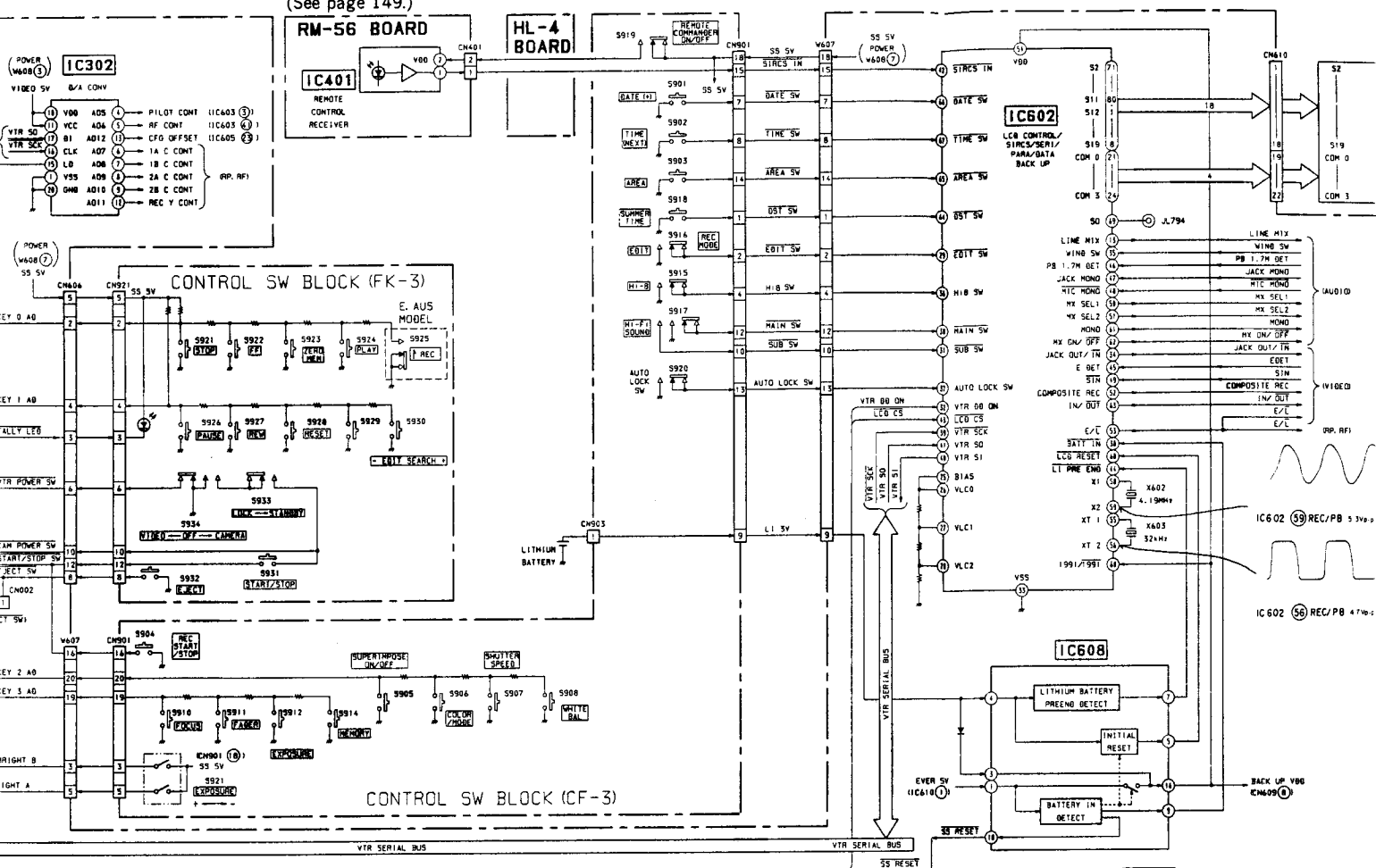




(See page 149.)



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### 3-10. SERVO, SYSTEM CONTROL TERMINAL DESCRIPTION VS-87 BOARD IC601 (CXP80624)

Pin No.	Signal Name	I/O	Function															
1	CAP ON	O	Capstan driver ON control signal															
2	CAP FWD/RVS	O	Capstan rotation direction control signal. "High": FWD; "Low": RVS.															
3	RP PB	O	REC/PB mode changeover signal for REC/PB amplifier (VS-87 board IC001,002), ATF IC															
4	FE ON	O	Flying erase oscillation ON/OFF signal. "Low": oscillation ON.															
5	JOG VD	O	Quasi VD output to be inserted into video signal when variable speed playback is executed.															
6	JOG	O	Normal/JOG mode changeover signal. "High": JOG mode.															
7	CAM RESET	O	Camera microcomputer reset signal															
8	CAM/LINE	O	Camera/line changeover output. "High": camera mode; "Low": VTR mode.															
9	VTR DD ON	O	DC-DC converter (VTR system) control signal															
10	CAM DD ON	O	DC-DC converter (camera system) control signal															
11	CAM CS (O)	O	Chip select signal for communications between camera and microcomputer															
12	MODE SW C	I	Mechanical position input (MODE switch)															
13	MODE SW B	I																
14	MODE SW A	I																
15	START/ STOP SW	I	START/STOP switch input (microcomputer standby release input)															
16	EJECT SW	I	EJECT switch input (microcomputer standby release input)															
17	CAM POWER SW	I	CAMERA POWER switch input (microcomputer standby release input)															
18	VTR POWER SW	I	VTR POWER switch input (microcomputer standby release input)															
19	CC LOCK SW	I	CASSETTE IN switch input. "Low": Cassette IN.															
20	LANC POWER ON	I	Input to turn this unit ON with LANC (microcomputer standby release input)															
21	DEW DET	I	Condensation sensor input. "Low": condensing.															
22	LM LIM ON	I	Loading motor current limiter operation detection signal															
23	SRAM CS	O	Chip select signal to SRAM (TI-40 board IC801)															
24	VIDEO CS	O	Chip select signal to video IC (VC-106 board IC401)															
25	CRTC STB	O	Strobe signal for character generator (TI-40 board IC802)															
26	AUDIO MUTE	O	Audio Mute signal to AFM IC (AU-121 board IC801, IC802)															
27	TITLER CS	O	Chip select signal to digital titler (TI-40 board IC803)															
28	LCD CS	O	Chip select signal to LCD microcomputer (VS-87 board IC602)															
29	VTR DA LD	O	Data load signal to EVR (VS-87 board IC302)															
30	N.C																	
31	UNLOAD	O	Loading motor control signal															
32	LOAD	O	<table><tr><td></td><td>OFF</td><td>LOADING</td><td>UNLOADING</td><td>BRAKE</td></tr><tr><td>LOAD</td><td>Low</td><td>High</td><td>Low</td><td>High</td></tr><tr><td>UNLOAD</td><td>Low</td><td>Low</td><td>High</td><td>High</td></tr></table>		OFF	LOADING	UNLOADING	BRAKE	LOAD	Low	High	Low	High	UNLOAD	Low	Low	High	High
				OFF	LOADING	UNLOADING	BRAKE											
			LOAD	Low	High	Low	High											
UNLOAD	Low	Low	High	High														
(The microcomputer terminal is N-ch open drain.)																		
33	LM LIM CONT	O	Loading motor driver current limiter control signal (N-ch open drain)															
34	DRUM ON	O	Drum motor drive control signal Z: Motor ON (N-ch open drain)															

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Pin No.	Signal Name	I/O	Function
35	DRUM FWD/ RVS	O	Drum rotation direction control signal. "Low": RVS; "High": FWD (N-ch open drain).
36	EDIT	O	EDIT ON/OFF control signal. "Low": EDIT, interlocked with EDIT key (N-ch open drain).
37	TALLY LED	O	External TALLY LED/EVF internal TALLY drive LED illumination. When the LED is illuminated, this output becomes "Low" (N-ch open drain).
38	REEL HALL CONT	O	Reel sensor control signal. "Low": Sensor ON (N-ch open drain).
39	MP	I	Microprocessor mode select pin, not selected in this unit.
40	SS RESET	I	Reset pin
41	VSS	—	GND
42	XTAL	O	Clock oscillation (The clock is supplied to ATF IC from this unit.)
43	EXTAL	I	
44	CAM CS (I)	I	Automatic transfer control circuit for communications with camera microcomputer
45	CAM SO	I	Serial data input from camera microcomputer
46	CAM SI	O	Serial data output to camera microcomputer
47	CAM SCK	I	Serial clock input from camera microcomputer
48	KEY 3 AD	I	A/D input for key read, CF block (camera system function)
49	KEY 2 AD	I	
50	KEY 1 AD	I	A/D input for key read, FK block (VTR system function)
51	KEY 0 AD	I	
52	AVSS	—	A/D converter GND
53	AVREF	—	A/D converter Reference voltage
54	AVDD	—	A/D converter power
55	HH SENSE	I	Not used (connected to VDD)
56	TAPE END	I	Tape end sensor input. "High": Tape end.
57	TAPE TOP	I	Tape top sensor input. "High": Tape top.
58	PATH MODE	I	Tape path adjustment mode input pin. Normally "High". When adjustment is made, this input becomes "Low".
59	BATT SENSE	I	Battery end/pre end voltage input. A/D input pin.
60	ATF ERROR	I	ATF error (ATF LOCK error) input. A/D input pin.
61	S REEL	I	Supply side reel sensor input. A/D input pin.
62	T REEL	I	Takeup side reel sensor input. A/D input pin.
63	ME/MP SW	I	ME/MP tape discrimination input. "High": ME tape.
64	REC PROOF SW	I	Careless erase prevention discrimination input. "High": Careless erase prevention.
65	BRIGHT B	I	Brightness control dial input (B phase)
66	VTR SYNC	I	Composite sync signal input
67	Hi8 MP SW	I	Hi8 MP tape discrimination input. "High": Hi8 MP tape.
68	DRUM PG	I	Drum PG input FRC (high precision timer) capture input pin
69	DRUM FG	I	Drum PG input FRC (high precision timer) capture input pin.
70	CAP FG	I	Capstan FG input FRC (high precision timer) capture input pin
71	MP * E	O	When a Hi8 MP tape is used and E mode is activated, this output becomes "High".
72	ME/MP	O	ME/MP tape discrimination output. "High": ME tape.

Pin No.	Signal Name	I/O	Function
73	TAPE LED CONT	O	Tape top/end sensor LED drive control. "High": LED ON.
74	VA PB	O	Video/audio system REC/PB mode changeover. "High": PB mode.
75	CAP PWM	O	PWM output pin for capstan error output. Output pin dedicated to servo (PWM mode).
76	DRUM PWN	O	PWM output pin for drum error output. Output pin dedicated to servo (PWM mode).
77	CFG HMS	I	HMS counter capstan FG input (Event counter input)
78	BRIGHT A	I	Brightness control dial input (A phase)
79	VTR SI	I	Serial data input from LCD microcomputer
80	VTR SO	O	Serial data output to VTR system
81	VTR SCK	O	Serial clock output to VTR system
82	LP/SP	O	SP/LP mode discrimination signal output. "Low": SP mode.
83	VIDEO MUTE	O	Video mute output to VTR system
84	CLOG DET	O	Clog detection signal input. "High": Clog.
85	REF PILOT	O	ATF IC ATF reference pilot signal output
86	SP/LP DET	I	SP/LP mode discrimination signal input. "High": SP mode, during FF, REV, CUE, REV, EDIT(—).
87	NC	—	
88	VSS	—	GND
89	VDD	—	EVER 3V
90	(VPP)	—	EVER 5V
91	PB MUTE 2B	O	
92	PB MUTE 1B	O	
93	PB MUTE 2A	O	
94	PB MUTE 1A	O	Control signal for preventing crosstalk from other head in playback mode. "High": Mute
95	REC 2B	O	
96	REC 1B	O	
97	REC 2A	O	Drum head (1A, 2A, 1B, 2B) changeover recording timing signal. "Low": REC.
98	REC 1A	O	
99	RF SWP	O	RF SWP output pin
100	1/2 RF SWP	O	1/2 RF SWP output pin. "Low": A-ch; "High": B-ch.

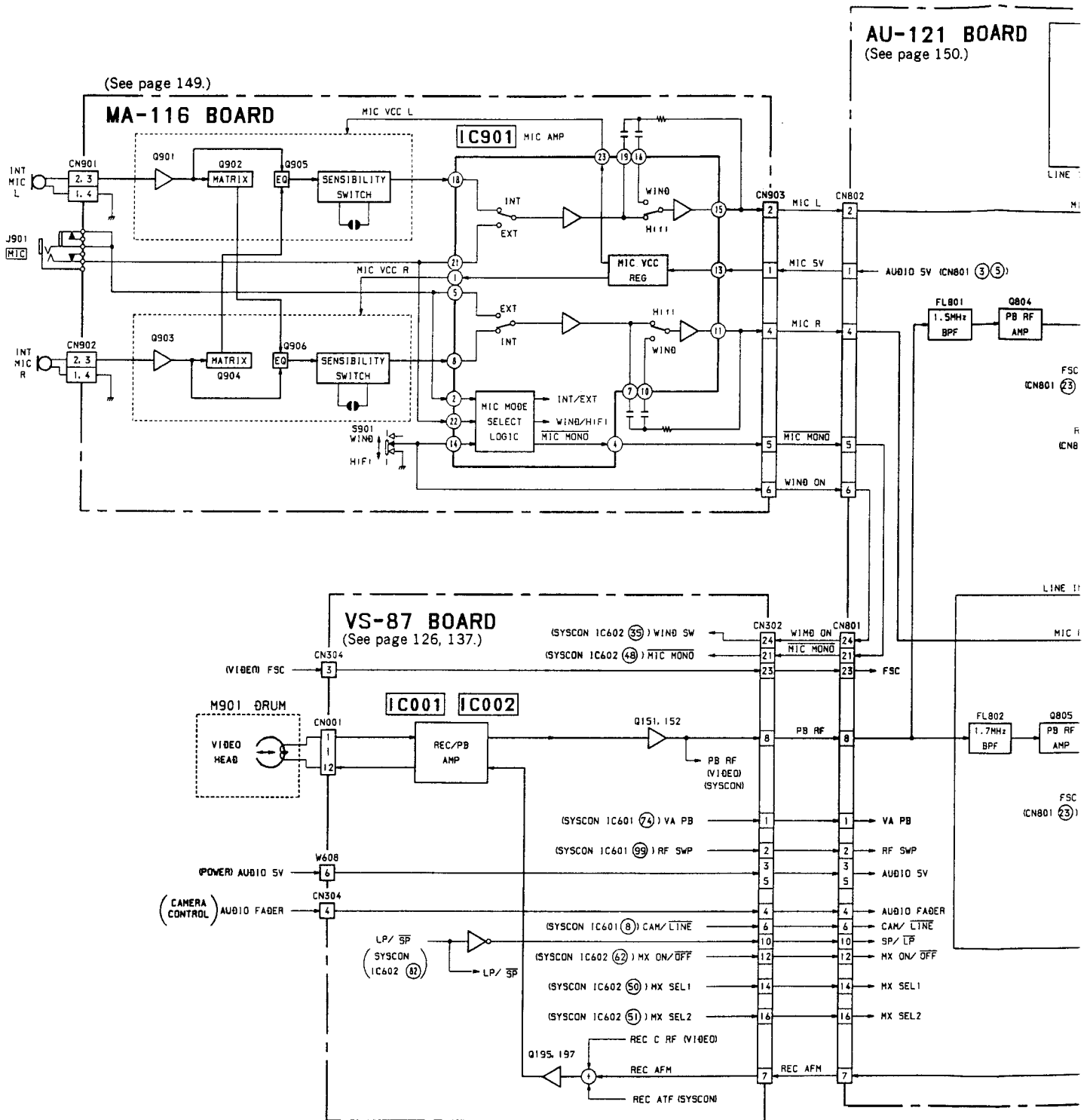
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### 3-1.1. MODE CONTROL TERMINAL DESCRIPTION VS-87 BOARD IC602 (μPD75304)

Pin No.	Signal Name	I/O	Function
1	S12	O	Segment signal output
2	S13	O	LCD segment terminal drive
3	S14	O	
4	S15	O	
5	S16	O	LCD segment signal output pin (Output of one of four values : 0, 1.7, 3.3, 5V).
6	S17	O	
7	S18	O	
8	S19	O	
9	(S20)	O	
10	(S21)	O	Not used
11	(S22)	O	
12	(S23)	O	
13	LINE MIX	O	Audio system control signal
14	(S25)	O	
15	(S26)	O	
16	(S27)	O	
17	(S28)	O	Not used
18	(S29)	O	
19	(S30)	O	
20	(S31)	O	
21	COM 0	O	
22	COM 1	O	LCD common terminal drive output for common signal output
23	COM 2	O	
24	COM 3	O	
25	BIAS	O	Output pin used for external split resistor cut. Power input.
26	VLC 0	I	Power for LCD drive. Normally 0V. For backup, 3V is input.
27	VLC 1	I	Power for LCD drive. Normally 1.7V. For backup, 3V is input.
28	VLC 2	I	Power for LCD drive. Normally 3.3V. For backup, 3V is input.
29	EDIT SW	I	Edit switch input
30	MAIN SW	I	Bilingual main switch input
31	SUB SW	I	Bilingual sub switch input
32	VTR DD ON	I	VTR system power control signal input
33	VSS	—	GND
34	JACK OUT/IN	I	Line input/output changeover switch input
35	WIND SW	I	Wind reduction switch input
36	H8 SW	I	H8 auto/OFF switch input
37	AUTO LOCK SW	I	Auto lock switch input
38	BATT IN	I	Set "Low" to switch to 32 kHz clock. Set "High" to switch to 4.19MHz clock. When battery is OFF, set "Low".
39	VTR SOCK	I	Serial clock input from servo/system control
40	VTR SI	O	Serial data input from servo/system control
41	VTR SO	I	Serial data input from servo/system control
42	SIRCS IN	I	SIRCS signal input

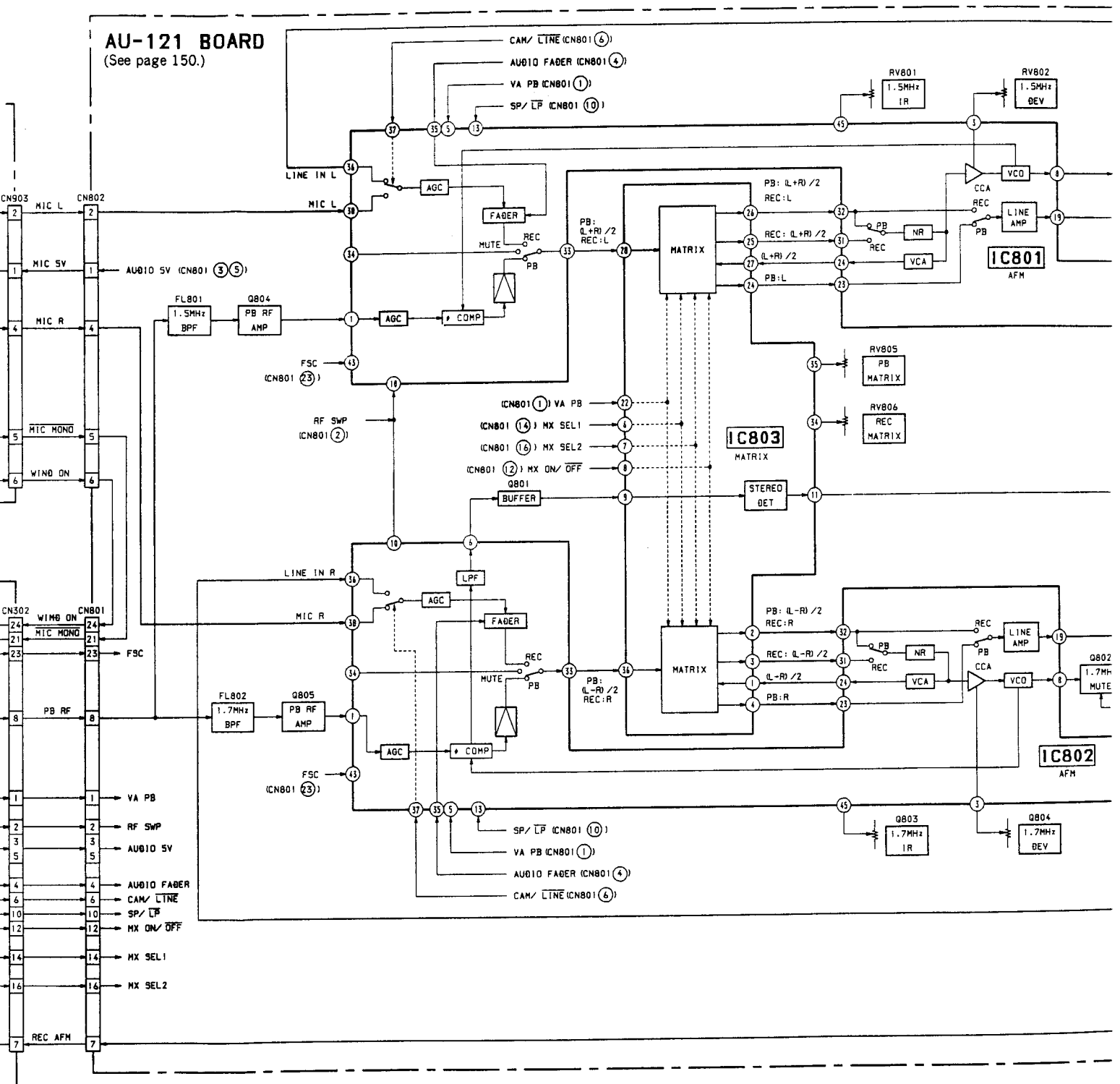
Pin No.	Signal Name	I/O	Function
43	LCD CS	I	Chip select signal from servo/system control
44	LI PRE END	I	Lithium battery pre end detection. Normally "High". When battery voltage is reduced, this input becomes "Low".
45	E DET	I	Hi8 normal discrimination input in playback mode. "High": Hi8.
46	PB 1.7M DET	I	Input which discriminates between stereo and bilingual/monoral in playback mode. "High": Stereo or bilingual.
47	JACK MONO	I	Audio line IN/OUT jack monoral detection
48	MIC MONO	I	Mic jack monoral detection
49	S IN	I	S video connector connected/not connected detection
50	MX SEL 1	O	Audio block L-ch/R-ch select signal
51	MX SEL 2	O	
52	COMPOSITE REC	O	When VTR mode, line input is selected, this output becomes "High".
53	E/L	O	Hi8/Normal mode output. "High": Hi8.
54	VDD	—	Back up VDD
55	XT1	I	Clock oscillation 32kHz
56	XT2	O	
57	NC		
58	X1	I	Clock oscillation 4.19MHz
59	X2	O	
60	1991/1991	I	Date setting. "High": Start from 1991; "Low": Start from 1990. This input is set "High" in this unit.
61	MONO	O	Stereo/monoral changeover output. "High": Monoral.
62	MX ON/OFF	O	Matrix IC ON/OFF signal
63	IN/OUT	O	INPUT/OUTPUT changeover output
64	DST SW	I	Summer time switch input
65	AREA SW	I	Area switch input
66	DATE SW	I	Date switch input
67	TIME SW	I	Time switch input
68	LCD RESET	I	Reset
69	S0	O	Clock oscillation circuit dividing output (512kHz)
70	S1		LCD segment signal output pin. Not used.
71	S2	O	
72	S3	O	
73	S4	O	
74	S5	O	
75	S6	O	LCD segment signal output pin (output of one of four values : 0, 1.7, 3.3 and 5V).
76	S7	O	
77	S8	O	
78	S9	O	
79	S10	O	
80	S11	O	

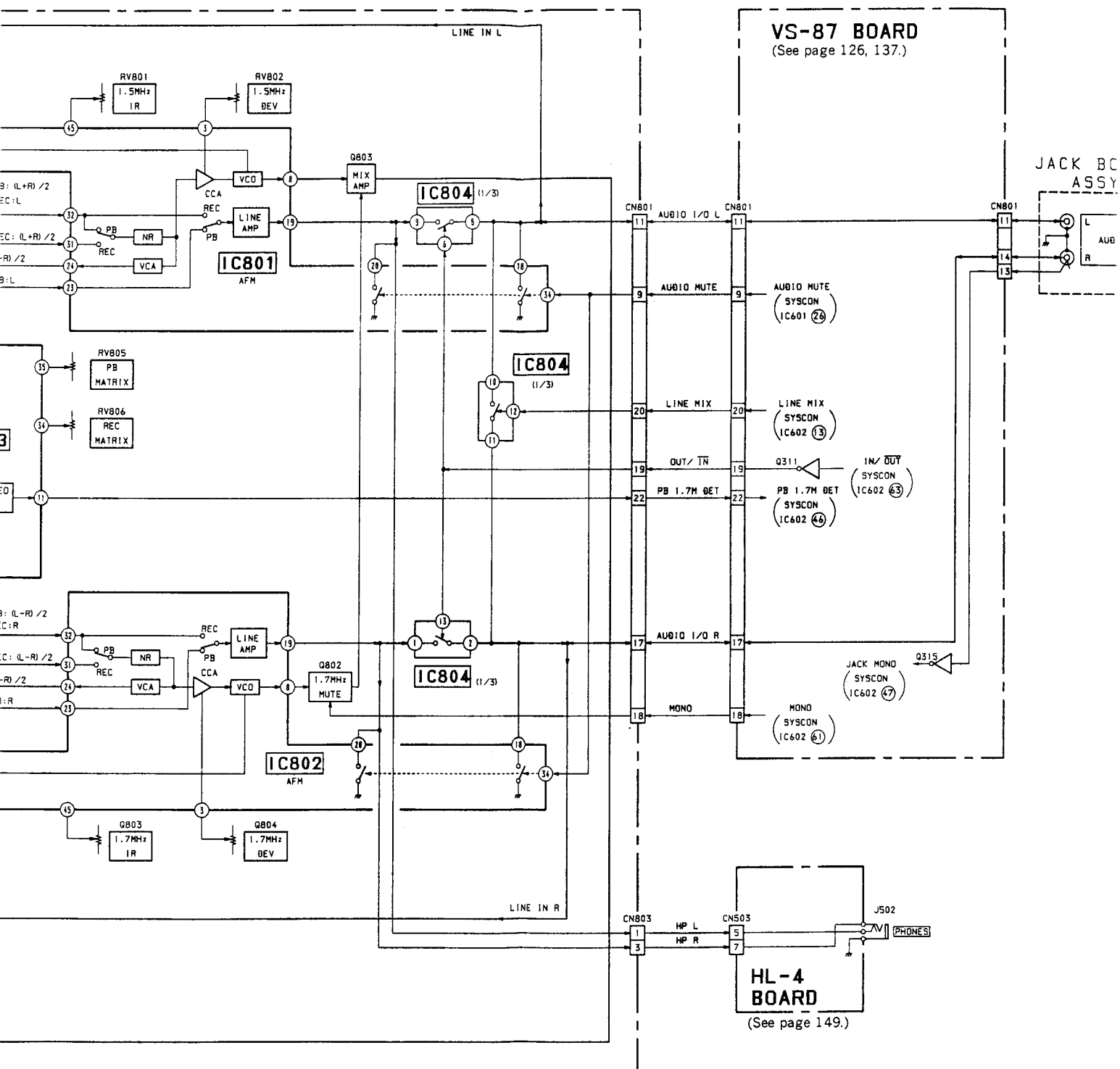
### 3-12. AUDIO BLOCK DIAGRAM



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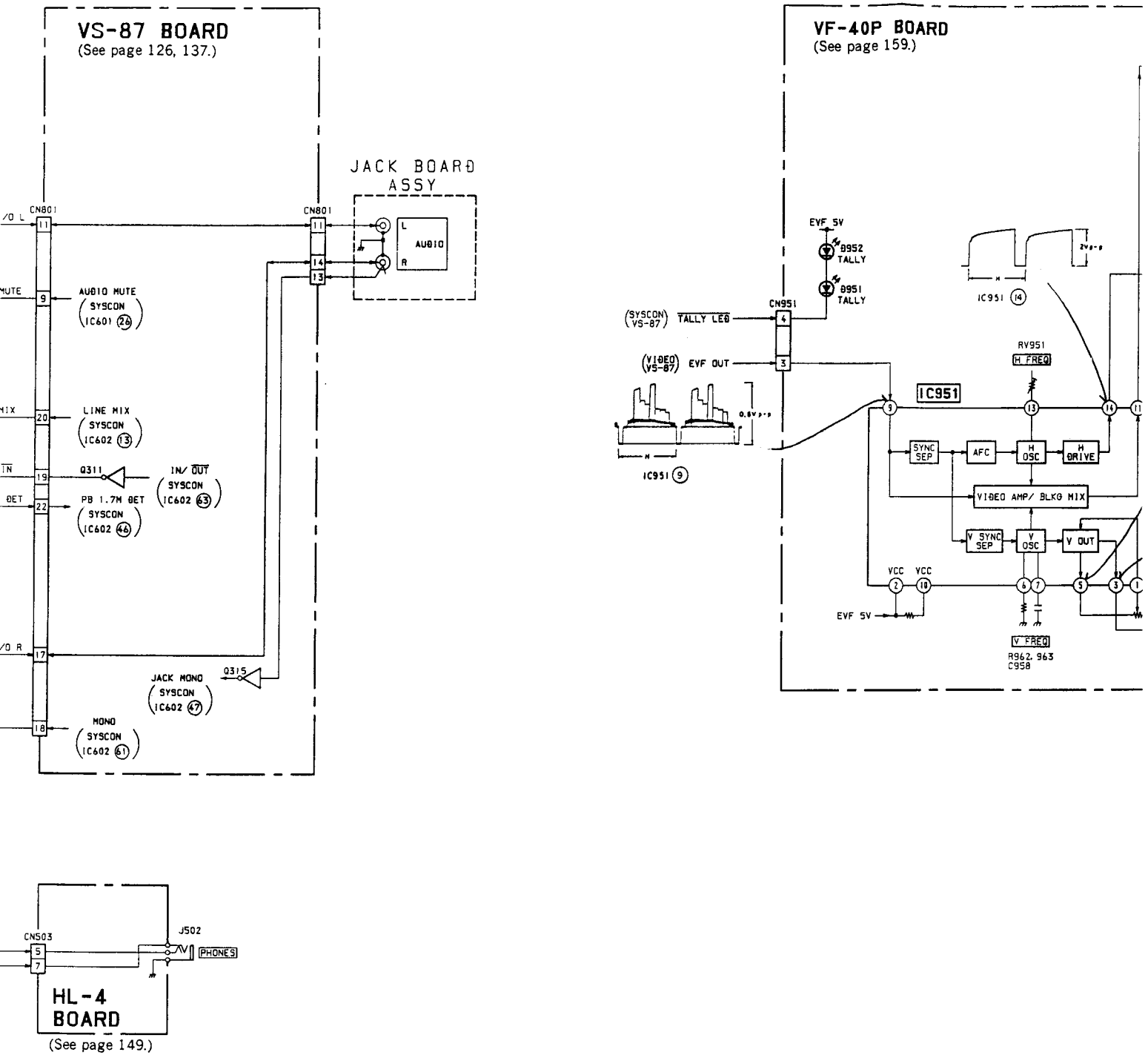
# **AU-121 BOARD** (See page 150.)



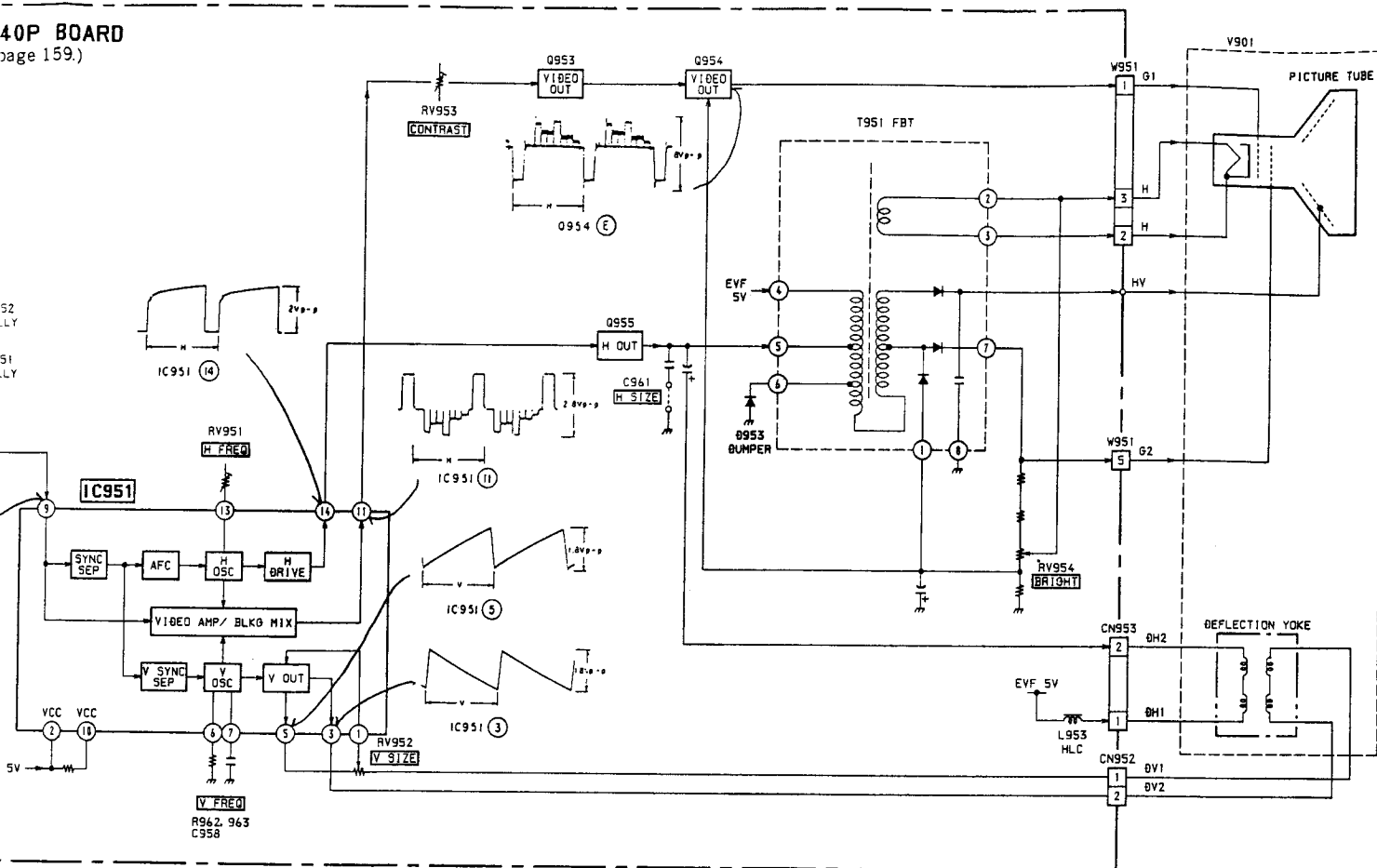


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### 3-13. VIEWFINDER BLOCK DIAGRAM



40P BOARD  
(page 159.)



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# SECTION 4 PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.  
(In addition to this, the necessary note is printed in each block.)

- For printed wiring boards.
- Pattern from the side which enables seeing.  
(The other layers/patterns are not indicated.)

Caution:	
Pattern face side:	Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.
Parts face side:	Parts on the parts face side seen from the (Component side) parts face are indicated.

- For schematic diagrams.
- Caution when replacing chip parts.  
New parts must be attached after removal of chip.  
Be careful not to heat the minute side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms, 1/8W or less unless otherwise noted.  
kΩ : 1000Ω, MΩ : 1000kΩ.
- All capacitors are in μF unless otherwise noted, pF : μF.  
50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Panel designation.
- △ : internal component.
- : adjustment for repair.
- : B+ Line.
- : B- Line.
- ⊙ : IN/OUT direction of (+, -) B LINE.
- Circled numbers refer to waveforms.

Note: The components identified by mark **A** or dotted line with mark **A** are critical for safety.  
Replace only with part number specified.

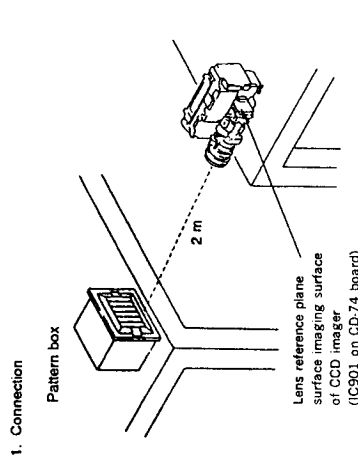
When indicating parts by reference number, please include the board name.

\* indicated by the color red.

- (VTR REC or VTR PB mode)
- Voltages are dc between ground and measurement points. \*
  - Readings are taken with a color-bar signal input. \*
  - Readings are taken with a digital multimeter (DC10MΩ). \*
  - Voltage variations may be noted due to normal production tolerances. \*
  - The following four types of extension harness are required to measure the voltage.
    - 18P extension harness (J-6082:141-A)
    - VC-106 board CN101 — CD-74 board CN901)
    - 20P extension harness (J-6082:133-A)
    - VS-87 board W607 — CF block CN901)
    - 22P extension harness (J-6082:106-A)
    - VC-106 board CN302 — TL40 board CN801)
    - 32P extension harness (J-6082:142-A)
    - VC-106 board CN701 — LD-51 board CN852)

## Precautions for Replacement of CCD Imager Block.

- With a pair of IC901 (CCD imager) on the CD-74 complete board and IC001 (corrector ROM) on the DT-77 complete board, it is used as a repair part of the CCD imager block. Since corrector ROM IC is manufactured to match the CCD imager, replacement of a single unit of the CCD imager corrector ROM cannot be allowed.
- When both a CCD imager and the corrector ROM, replace both the CCD imager and the corrector ROM, when a corrector ROM is not mounted on the service set, install a corrector ROM which is supplied anew.
- IC901 (CCD imager) is not mounted on the CD-74 complete board to be supplied as a repair part, and IC001 (corrector ROM) is not mounted on the DT-77 complete board to be supplied as a repair part. When the respective boards are replaced, remove the respective ICs from the old boards and install them to the new once respectively.
- After the CCD imager block has been replaced, perform the entire adjustments of the camera section.
- CCD imager is structurally in case of being broken down by static electricity.  
For this reason, take care to handle it as well as MOS IC. Moreover, care should be taken for dust not to be stuck on the light receiving section and for strong light not to get into there.



1. Connection
2. Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

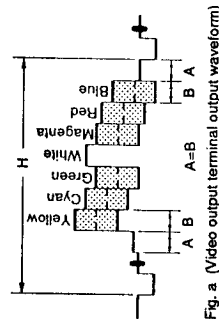


Fig. a (Video output terminal output waveform)

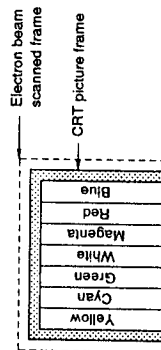


Fig. b (Picture on monitor TV)

- ## VTR Recording Procedure for AEP, UK Model.
1. Insert the adjustment remote control RM-95 (J-6082:053-B) into the REMOTE jack.
  2. Set the adjustment remote control to HOLD ON.
  3. Select adjustment page 4, adjustment address C1 and adjustment data 41, and select adjustment page 4, adjustment address 29 and adjustment data 6 with the adjustment remote control. (When the power is turned OFF, the system will return to the original state.)
  4. Select adjustment page 0, adjustment address 01 and adjustment data 01 with the adjustment remote control.
  5. Select adjustment page D, adjustment address 05 and adjustment data 91 with the adjustment remote control.
  6. Press the PAUSE button on the adjustment remote control in order to store the adjustment data.
  7. Set the adjustment remote control to HOLD OFF.  
(Now, VTR recording can be started.)

**Note 1:** After recording has been done, be sure to turn the power OFF and then ON again to play back the record.

**Note 2:** To clear REC mode, perform the above items 1, 2, 4, 5, 6 and 8. In this procedure, the adjustment data for item 6 should be set to 90.

**Note 3:** When the data on page 4 has been changed, the SP/LP changeover and other switches will not be in force. Therefore, switch to a necessary mode before setting up necessary data.

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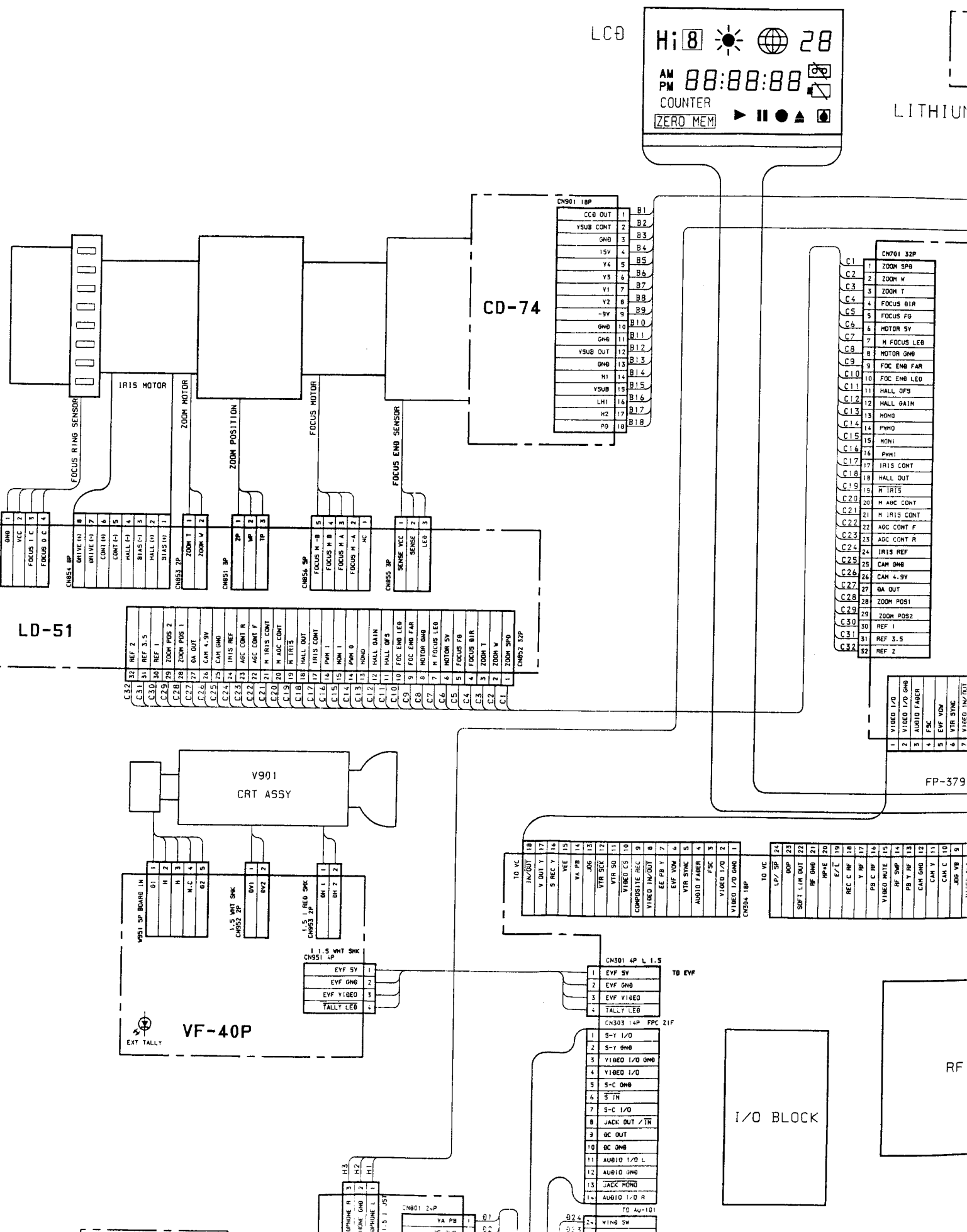
1	2	3	4	5
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A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	

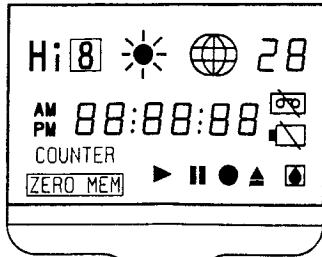


# FRAME SCHEMATIC DIAGRAM

1 2 3 4 5 6 7 8 9 10

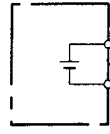


LC0



LITHIUM BATTERY

CONTROL SW BLOCK (CF-3)



CN903 2P
1 LI 3V
2 GND

BATE (+)	TIME (NEXT)	YST	AREA	SUPER IMPOSE ON/OFF	COLOR /MODE
LOW ANGLE	REC START/STOP	FOCUS	FADE		

CD-74

CN901 18P		
CCO OUT	1	B1
VSUB CONT	2	B2
GND	3	B3
ISV	4	B4
Y4	5	B5
Y3	6	B6
Y1	7	B7
Y2	8	B8
-YV	9	B9
GND	10	B10
GND	11	B11
VSUB OUT	12	B12
GND	13	B13
H1	14	B14
VSUB	15	B15
LH1	16	B16
H2	17	B17
PB	18	B18

C1	1	CN701 32P
C2	2	ZOOM SPB
C3	3	ZOOM V
C4	4	ZOOM T
C5	5	FOCUS 9IR
C6	6	FOCUS FG
C7	7	MOTOR SV
C8	8	M FOCUS LEB
C9	9	MOTOR GND
C10	10	FDC ENB FAR
C11	11	FDC ENB LED
C12	12	HALL DFS
C13	13	HALL GAIN
C14	14	MONO
C15	15	PWMQ
C16	16	PWNI
C17	17	IRIS CONT
C18	18	HALL OUT
C19	19	H IRIS
C20	20	H ABC CONT
C21	21	H IRIS CONT
C22	22	ADC CONT F
C23	23	ADC CONT R
C24	24	IRIS REF
C25	25	CAN GND
C26	26	CAN 4.5V
C27	27	DA OUT
C28	28	ZOOM POS1
C29	29	ZOOM POS2
C30	30	REF 1
C31	31	REF 3.5
C32	32	REF 2

B18	18	B17	17	B16	16	B15	15	B14	14	B13	13	B12	12	B11	11	B10	10	B9	9	B8	8	B7	7	B6	6	B5	5	B4	4	B3	3	B2	2	B1	1		
P8		N2		LH1		VSUB		H1		CAN GND		VSUB OUT		CAN GND		CAN GND		-YV		Y2		Y1		V3		V4		ISV		CAN GND		VSUB CONT		CCO IN			
CNI0118P																																					

IRIS OUT	B1
GND	B10
NC	B9
Y2 GAIN	B8
Y4 GAIN	B7

VIDEO BLOCK

VC-106

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FP-379

10 VC	10	IM/OUT
V OUT	17	
S REC Y	16	
VEE	15	
VA PB	14	
VTR SEC	12	
VTR SO	11	
VIDEO CS	10	
COMPOSITE REC	9	
VIDEO IM/OUT	8	
EE PB Y	7	
EVF VOA	6	
VTR SYNC	5	
AUDIO FABER	4	
FSC	3	
VIDEO I/O	2	
VIDEO I/O GND	1	

TO VC	24	LP/SP
ONP	23	
SOFT LIM OUT	22	
RF GND	21	
MP+E	20	
E/L	19	
REC C RF	18	
Y RF	17	
PB C RF	16	
VIDEO MUTE	15	
RF SWP	14	
PB Y RF	13	
CAN GND	12	
CAN Y	11	
CAN C	10	
JOB VB	9	
VIDEO GND	8	
VIDEO GND	7	
H.C	6	
EE PB C	5	
VIDEO SV	4	
VIDEO SV	3	
EDIT	2	
S REC C	1	

TO LCO	22	COM 3
COM 2	21	
COM 1	20	
COM 0	19	
S REC C	18	
VIDEO SV	17	
H.C	16	
EE PB C	15	
VIDEO GND	14	
CAN C	13	
JOB VB	12	
CAN GND	11	
CAN Y	10	
RF SWP	9	
PB Y RF	8	
PB C RF	7	
VIDEO MUTE	6	
REC C RF	5	
Y RF	4	
MP+E	3	

CN301 4P L 1.5
1 EVF SV
2 EVF GND
3 EVF VIDEO
4 TALLY LEB

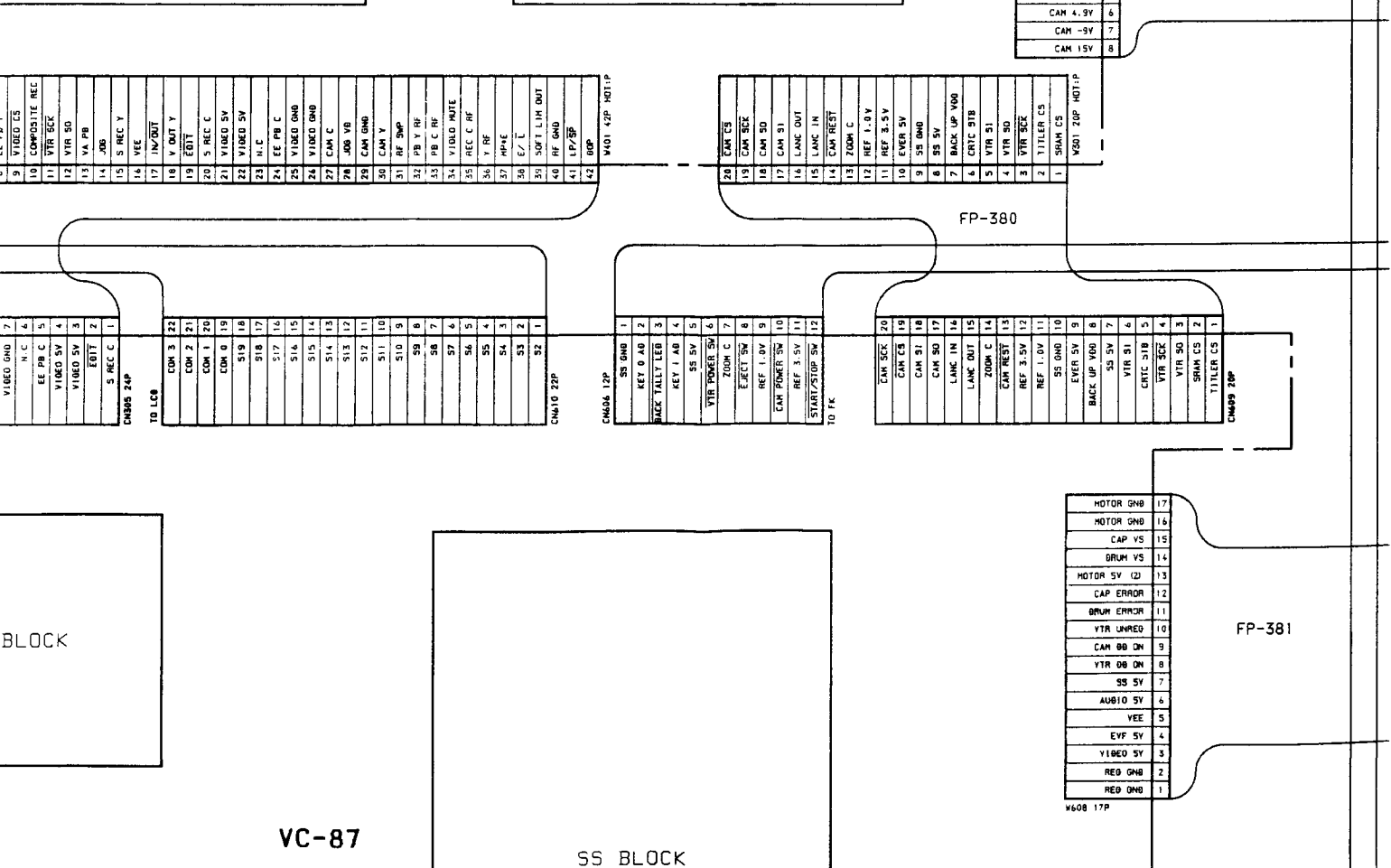
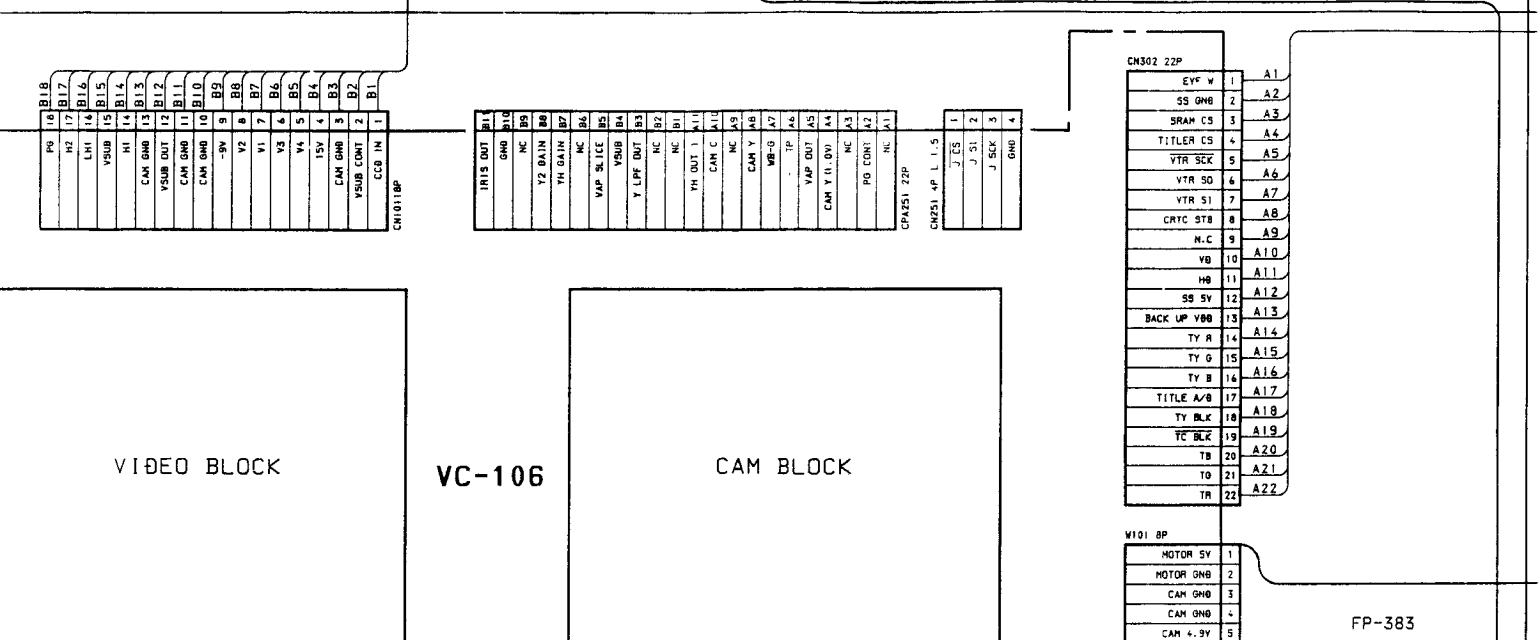
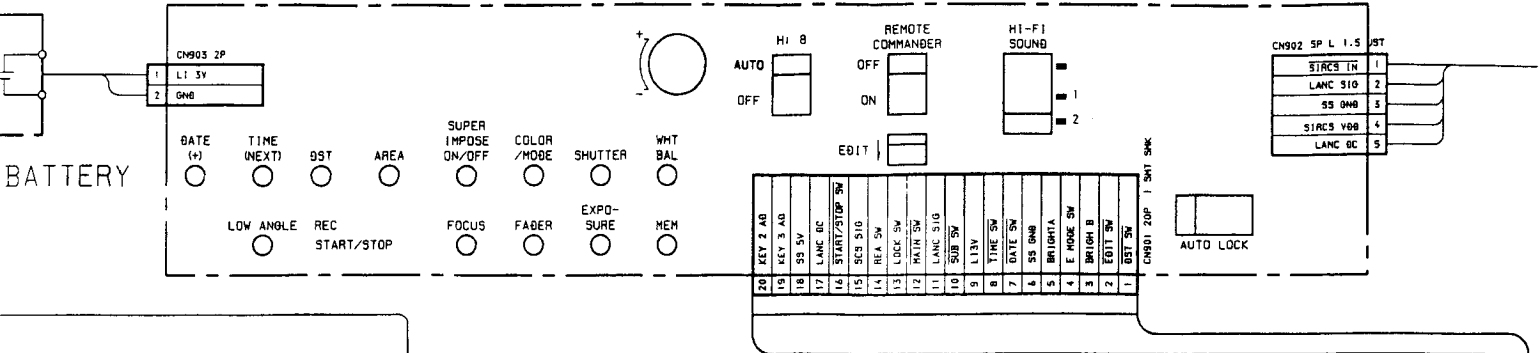
CN303 14P FPC 21F
1 S-Y I/O
2 S-Y GND
3 VIDEO I/O GND
4 VIDEO I/O
5 S-C GND
6 S IN
7 S-C I/O
8 JACK OUT / TR
9 BC OUT
10 BC GND
11 AUDIO I/O L
12 AUDIO GND
13 JACK MONO
14 AUDIO I/O R

I/O BLOCK

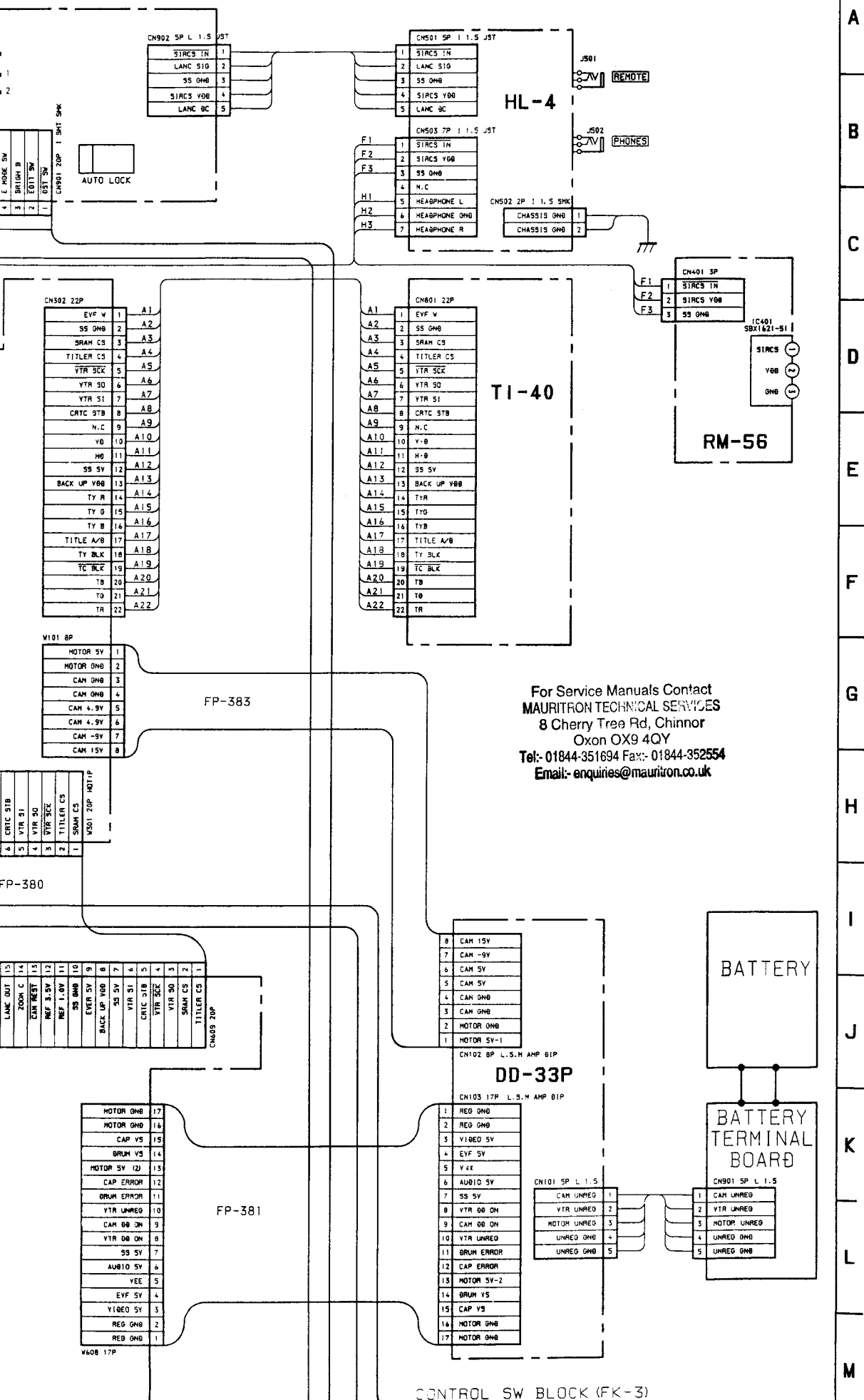
RF BLOCK

VC-87

# CONTROL SW BLOCK (CF-3)



18 19 20 21 22 23 24 25



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Email:- enquiries@mauritron.co.uk

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M

A

B

C

D

E

F

G

H

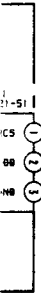
I

J

K

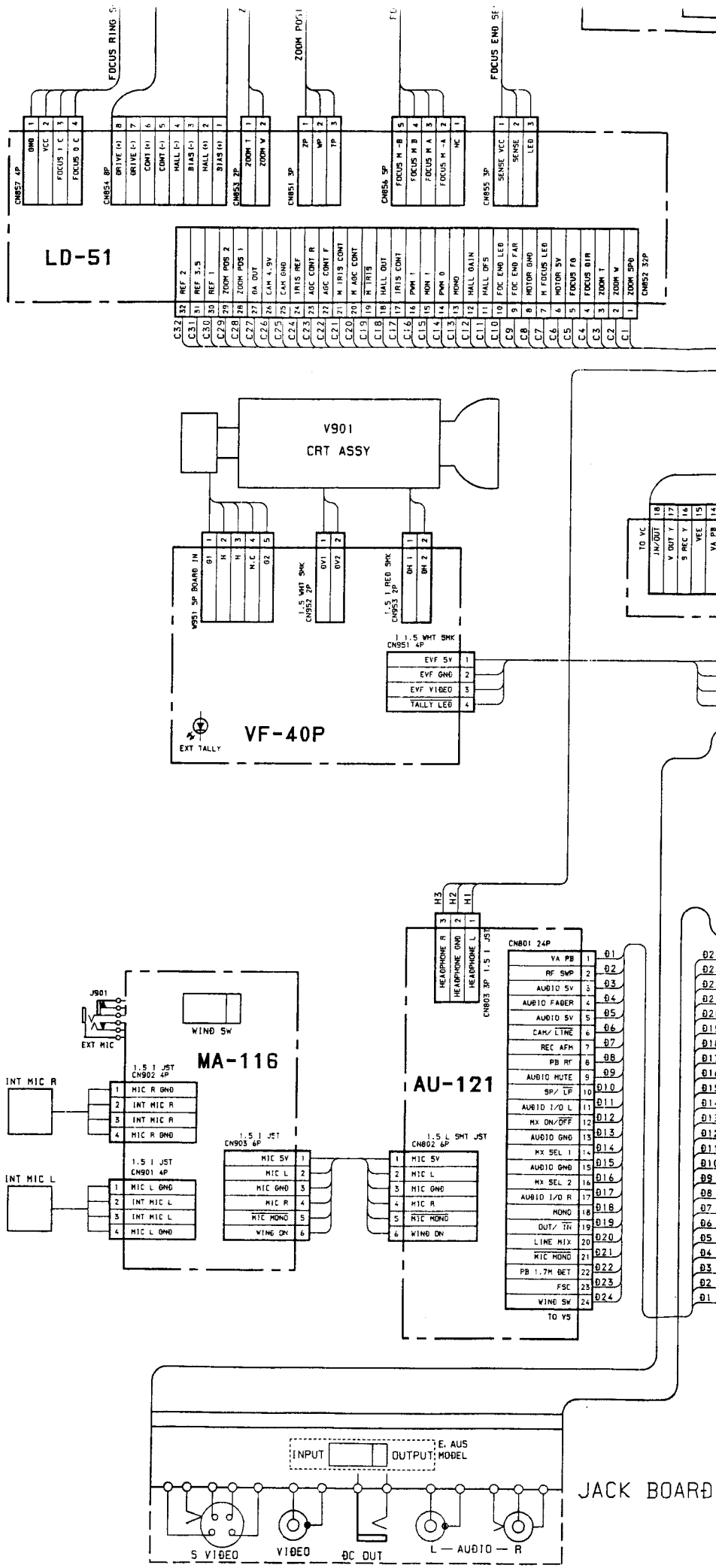
L

M

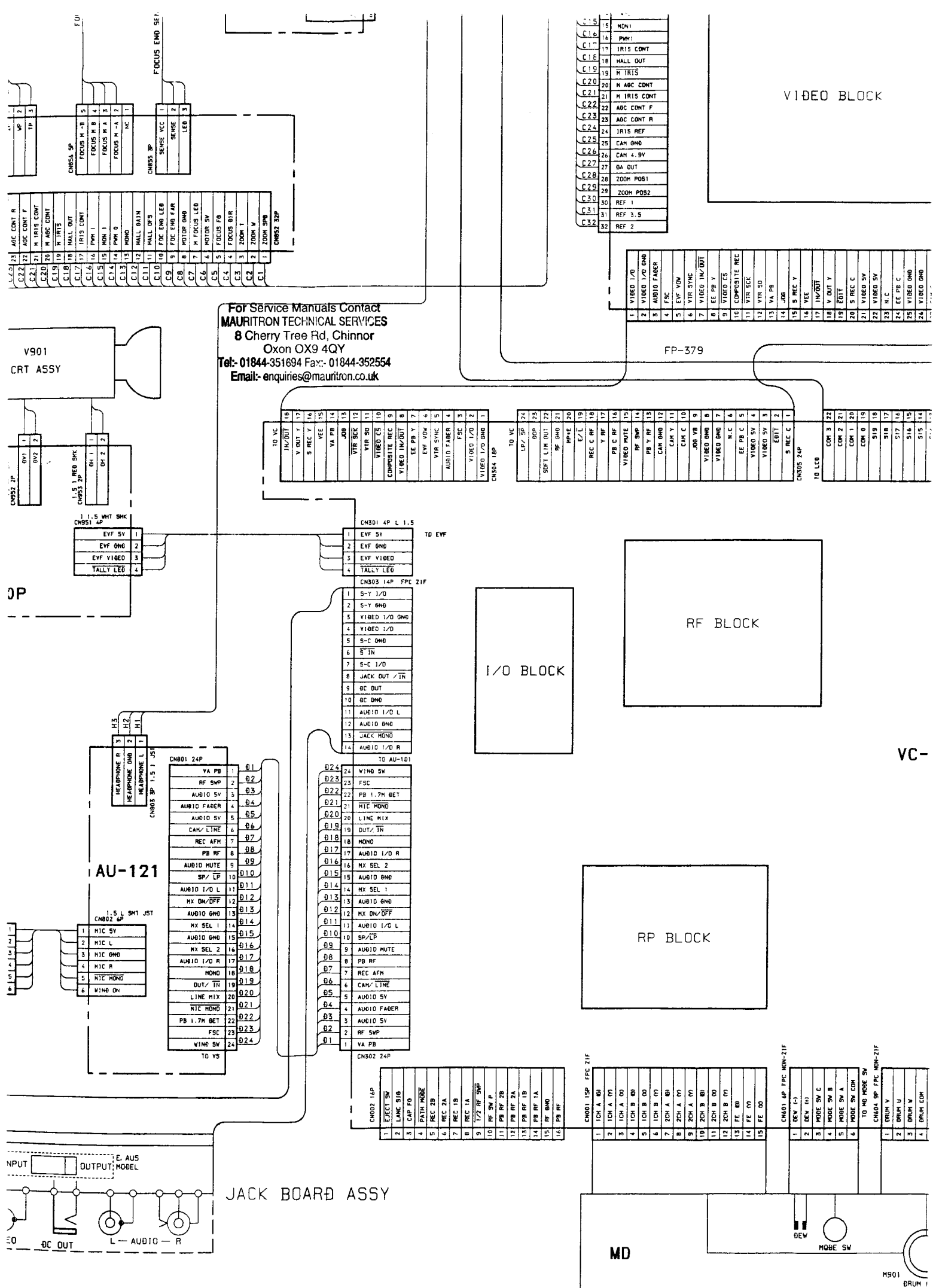


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 Email:- enquiries@mauritron.co.uk

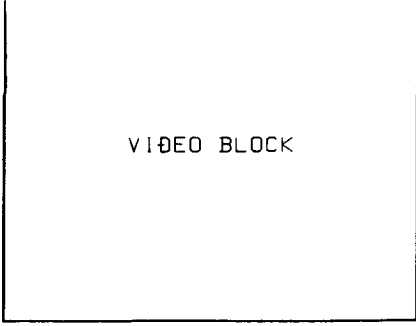
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R



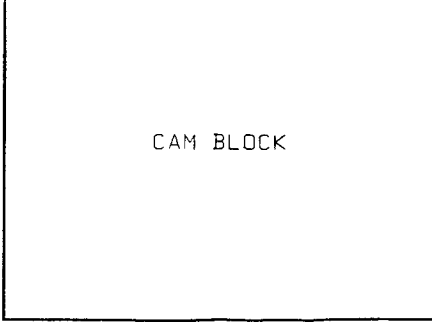




WHO
MON1
PWM1
IRIS CONT
HALL OUT
M IRIS
M AGE CONT
M IRIS CONT
AGE CONT F
AGE CONT R
IRIS REF
CAM GND
CAM 4.9V
DA OUT
ZOOM POS1
ZOOM POS2
REF 1
REF 3.5
REF 2



VC-106



CAM BLOCK

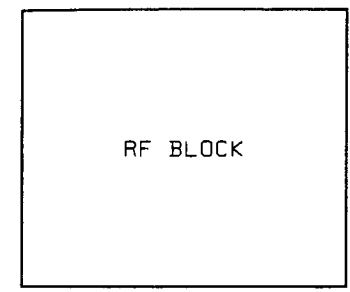
TY R	14	A15
TY G	15	A15
TY B	16	A16
TITLE A/B	17	A17
TY BLK	18	A18
TC BLK	19	A19
TR	20	A20
TO	21	A21
TR	22	A22

VIDEO MUTE	15	VIDEO 1/0	1
RF SW	14	VIDEO 1/0 GND	2
PB Y RF	13	AUDIO FABER	3
CAM GND	12	FSC	4
CAM Y	11	EVF VON	5
CAM C	10	VTR SYNC	6
JOB VB	9	VIDEO IN/OUT	7
VIDEO GND	8	EE PB Y	8
N.C.	7	VIDEO CS	9
EE PB C	6	COMPOSITE REC	10
VIDEO SV	5	VTR SEC	11
VIDEO SV	4	VTR 30	12
VIDEO SV	3	VA PB	13
EDIT	2	JOB	14
5 REC C	1	5 REC Y	15

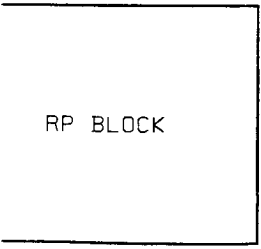
FP-379

SS GND	1	CAM CS	20
KEY 0 AD	2	CAM SEC	19
BACK TALLY LED	3	CAM 51	18
KEY 1 AD	4	CAM 50	17
SS SV	5	LANC IN	16
VTR POWER SW	6	LANC OUT	15
ZOOM C	7	ZOOM C	14
EXEC SW	8	REF 1.0V	13
REF 1.0V	9	REF 3.5V	12
CAM POWER SW	10	REF 3.5V	11
START/STOP SW	11	TO TK	12

FP-380

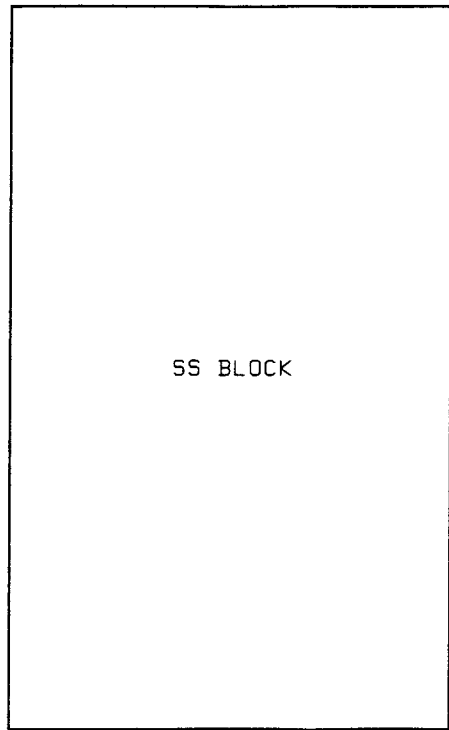


RF BLOCK



RP BLOCK

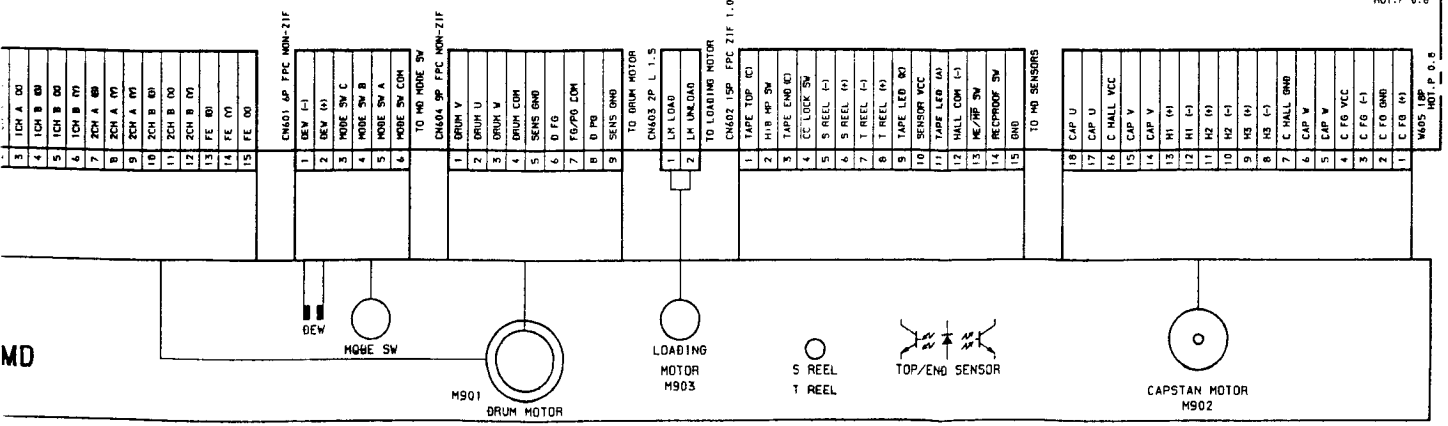
VC-87



SS BLOCK

MOTOR GND	17
MOTOR GND	16
CAP V5	15
BRUM V5	14
MOTOR 5V (2)	13
CAP ERROR	12
BRUM ERROR	11
YTR UNREQ	10
CAM 00 DN	9
YTR 00 DN	8
SS 5V	7
AUDIO 5V	6
VEE	5
EVF 5V	4
VIDEO 5V	3
RED GND	2
RED GND	1

KEY 2 AD	20
KEY 3 AD	19
SS 5V	18
LANC DC	17
START STOP SW	16
STRCS IN	15
AREA SW	14
AUTO LOCK SW	13
MAIN SW	12
LANC 516	11
SUB SW	10
L1 5V	9
TIME SW	8
GATE SW	7
SS GND	6
BRIGHT A	5
H1B SW	4
BRIGHT B	3
EDIT SW	2
EST SW	1



MD

DRUM MOTOR  
M901

LOADING  
MOTOR  
M903

S REEL  
T REEL

TOP/END SENSOR

CAPSTAN MOTOR  
M902

TY R	14	A14
TY G	15	A15
TY B	16	A16
TITLE A/B	17	A17
TY BLK	18	A18
TC BLK	19	A19
TB	20	A20
TD	21	A21
TR	22	A22

A15	14	TYR
A16	15	TYG
A17	16	TYB
A18	17	TITLE A/B
A19	18	TY BLK
A20	19	TC BLK
A21	20	TB
A22	21	TD
	22	TR

W101 BP

MOTOR SV	1
MOTOR GND	2
CAM GND	3
CAM GND	4
CAM 4.5V	5
CAM 4.5V	6
CAM -5V	7
CAM 15V	8

FP-383

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13	ZOOM C
12	REF 1.5V
11	REF 3.5V
10	EVER SV
9	SS GND
8	SS SV
7	BACK UP VDD
6	CRTC SIB
5	VTR 31
4	VTR 30
3	VTR SEC
2	TITLER CS
1	SRAM CS

FP-380

20	CAM SEC
19	CAM CS
18	CAM 51
17	CAM 50
16	CAM 1N
15	LANC OUT
14	ZOOM C
13	CAM REST
12	REF 3.5V
11	REF 1.0V
10	SS GND
9	EVER SV
8	BACK UP VDD
7	SS SV
6	SS SV
5	VTR 31
4	CRTC SIB
3	VTR SEC
2	VTR 30
1	TITLER CS

FP-381

17	MOTOR GND
16	MOTOR GND
15	CAP VS
14	DRUM VS
13	MOTOR SV (2)
12	CAP ERROR
11	DRUM ERROR
10	VTR UNREG
9	CAM GND ON
8	VTR GND ON
7	SS SV
6	AUDIO SV
5	YEE
4	EVF SV
3	VIBED SV
2	REG GND
1	REG GND

W608 17P

TO CF

20	KEY 2 AB
19	KEY 3 AB
18	SS SV
17	LANC DC
16	START STOP SW
15	STRES IN
14	AREA SW
13	AUTO LOCK SW
12	MAIN SW
11	LANC SIG
10	SUB SW
9	L1 3V
8	TIME SW
7	BATE SW
6	SS GND
5	BRIGHT A
4	HIS SW
3	BRIGHT B
2	EDIT SW
1	OST SW

W607 20P  
HOT.P 0.8

16	C HALL VCC
15	CAP V
14	CAP V
13	H1 (0)
12	H1 (0)
11	H2 (0)
10	H2 (0)
9	H3 (0)
8	H3 (0)
7	C HALL GND
6	CAP V
5	CAP V
4	C FG VCC
3	C FG (0)
2	C FG (0)
1	C FG (0)

W605 10P  
HOT.P 0.8

8	CAM 15V
7	CAM -5V
6	CAM 5V
5	CAM 5V
4	CAM GND
3	CAM GND
2	MOTOR GND
1	MOTOR 5V-1

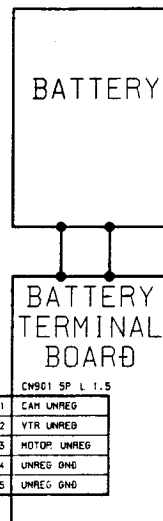
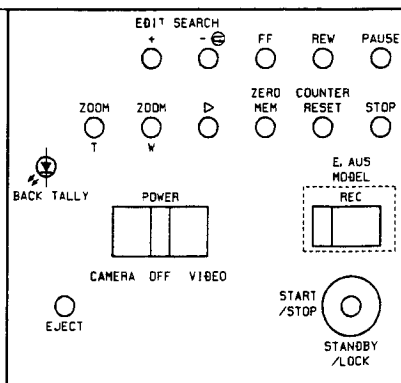
DN102 BP L.S.M AMP 01P

**DD-33P**

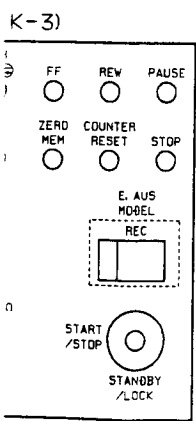
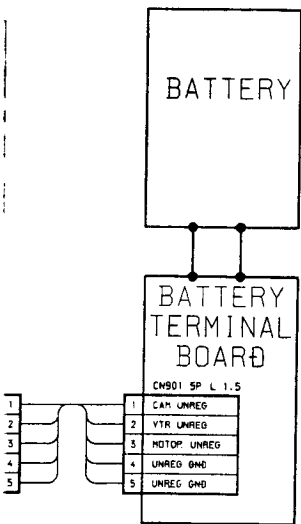
DN103 17P L.S.M AMP 01P

1	REG GND
2	REG GND
3	VIBED SV
4	EVF SV
5	YEE
6	AUDIO SV
7	SS SV
8	VTR GND ON
9	CAM GND ON
10	VTR UNREG
11	DRUM ERROR
12	CAP ERROR
13	MOTOR 5V-2
14	DRUM VS
15	CAP VS
16	MOTOR GND
17	MOTOR GND

CONTROL SW BLOCK (FK-3)



CAPSTAN MOTOR  
M902



F

G

H

I

J

K

L

M

N

O

P

Q

R

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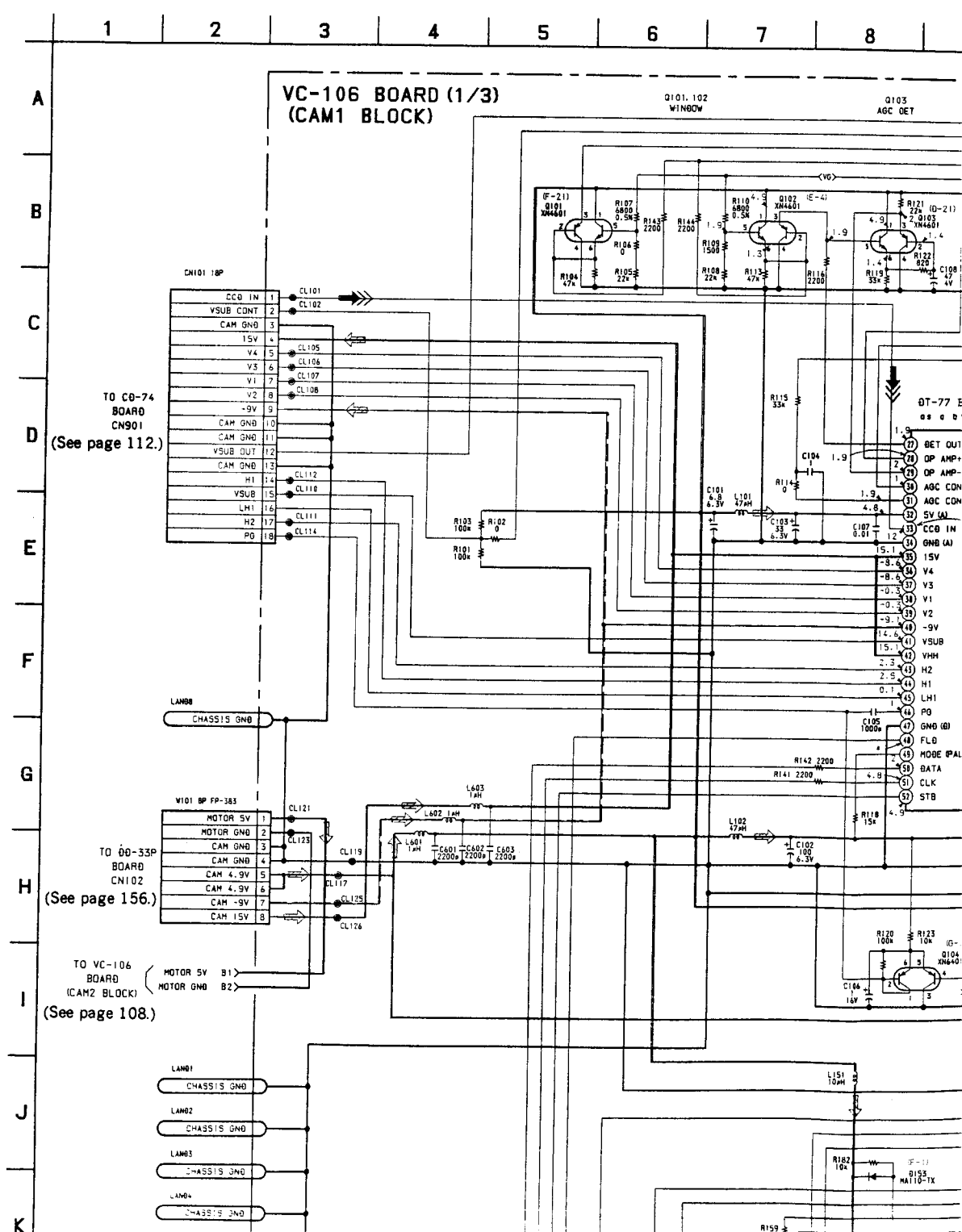
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#### 4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

### VC-106 (CAMERA) SCHEMATIC DIAGRAM

—Ref. No. VC-106 BOARD : 1000 series—

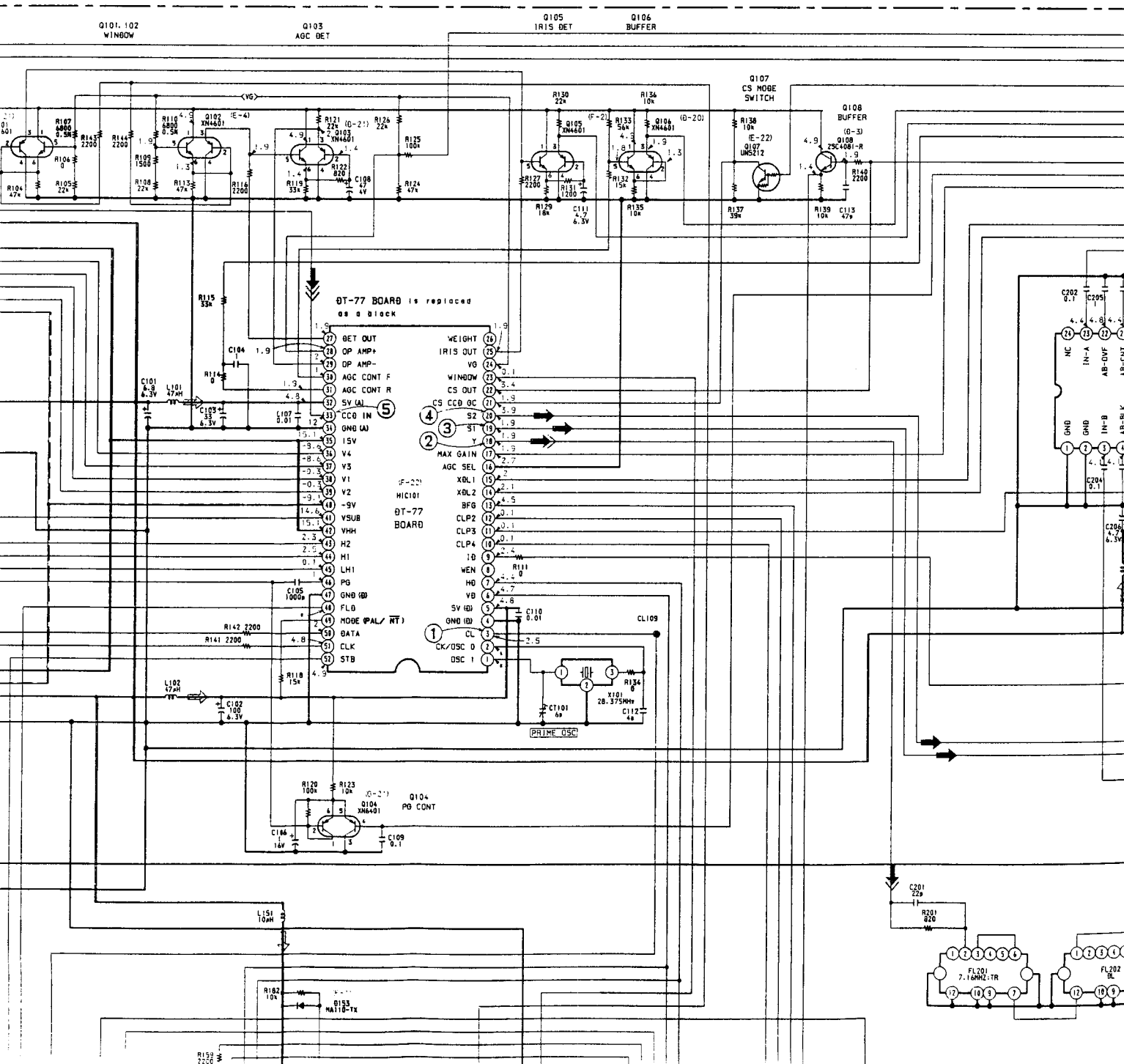
Be sure to always read  
block" in page 88 when  
board, complete and CCC  
IC001 on the DT-77 bo



6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	----	----	----	----	----	----	----

- **Signal path**

	VIDEO Signal		
	CHROMA	Y	Y/CHROMA
REC	➡	➡➡	➡➡➡
PB			

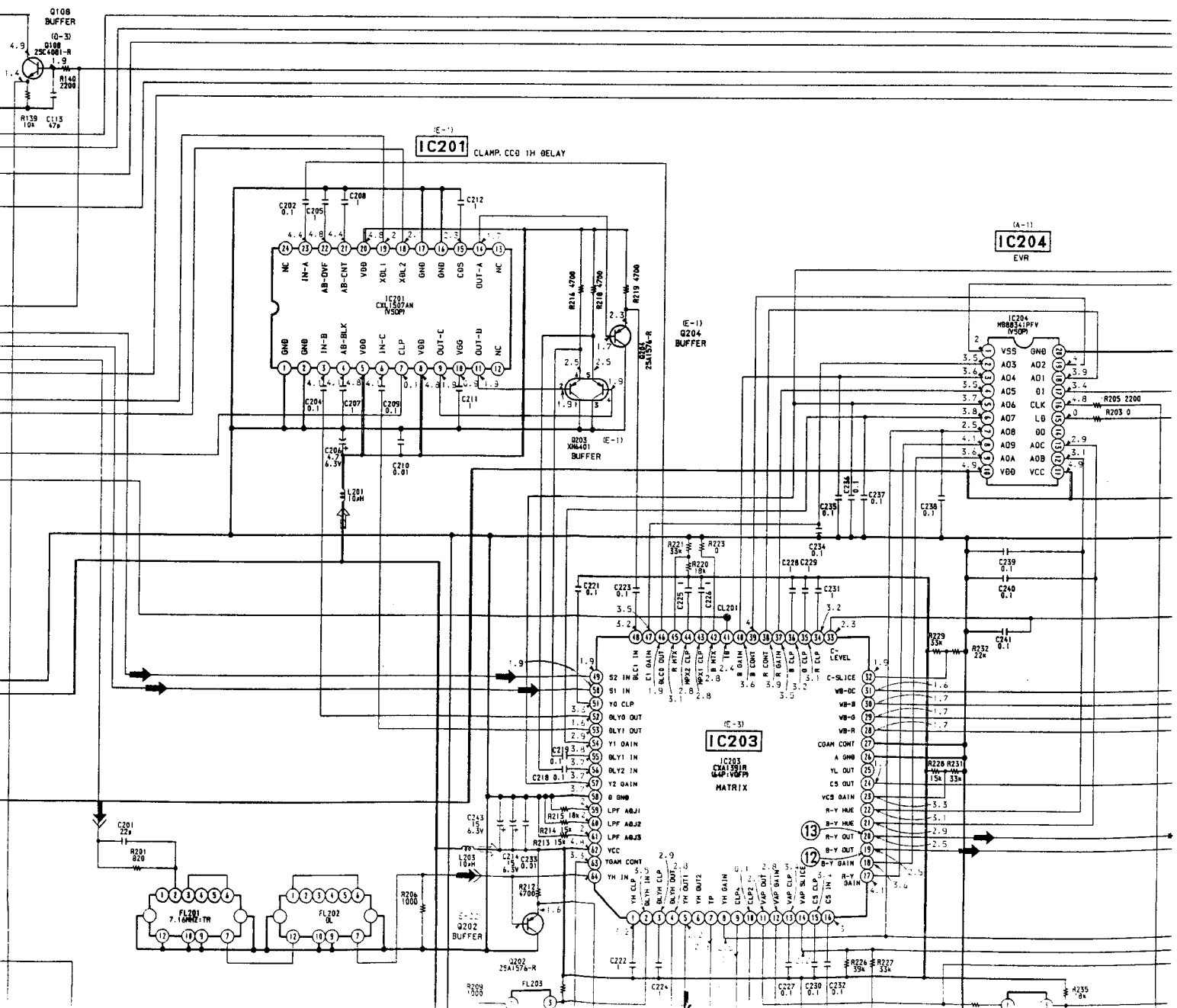


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 Oxon OX9 4QY  
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 Email:- enquiries@mauritron.co.uk

nal path

VIDEO Signal		
CHROMA	Y	Y/CHROMA
→	→→	→→→

14	15	16	17	18	19	20	21	22	23	24
----	----	----	----	----	----	----	----	----	----	----



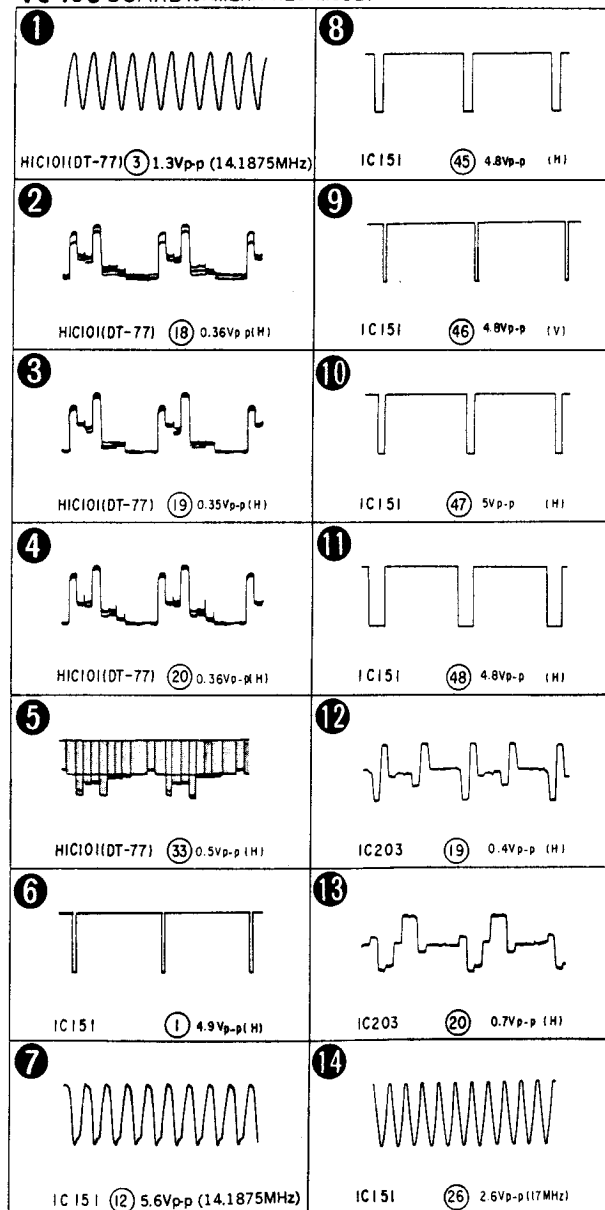




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 Tel:- 01844-351124 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

29	30	31	32	33	34	35	36	37
----	----	----	----	----	----	----	----	----

**VC-106 BOARD (CAMERA REC MODE)**



B  
C  
D  
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H  
I  
J  
K  
L  
M  
N  
O  
P

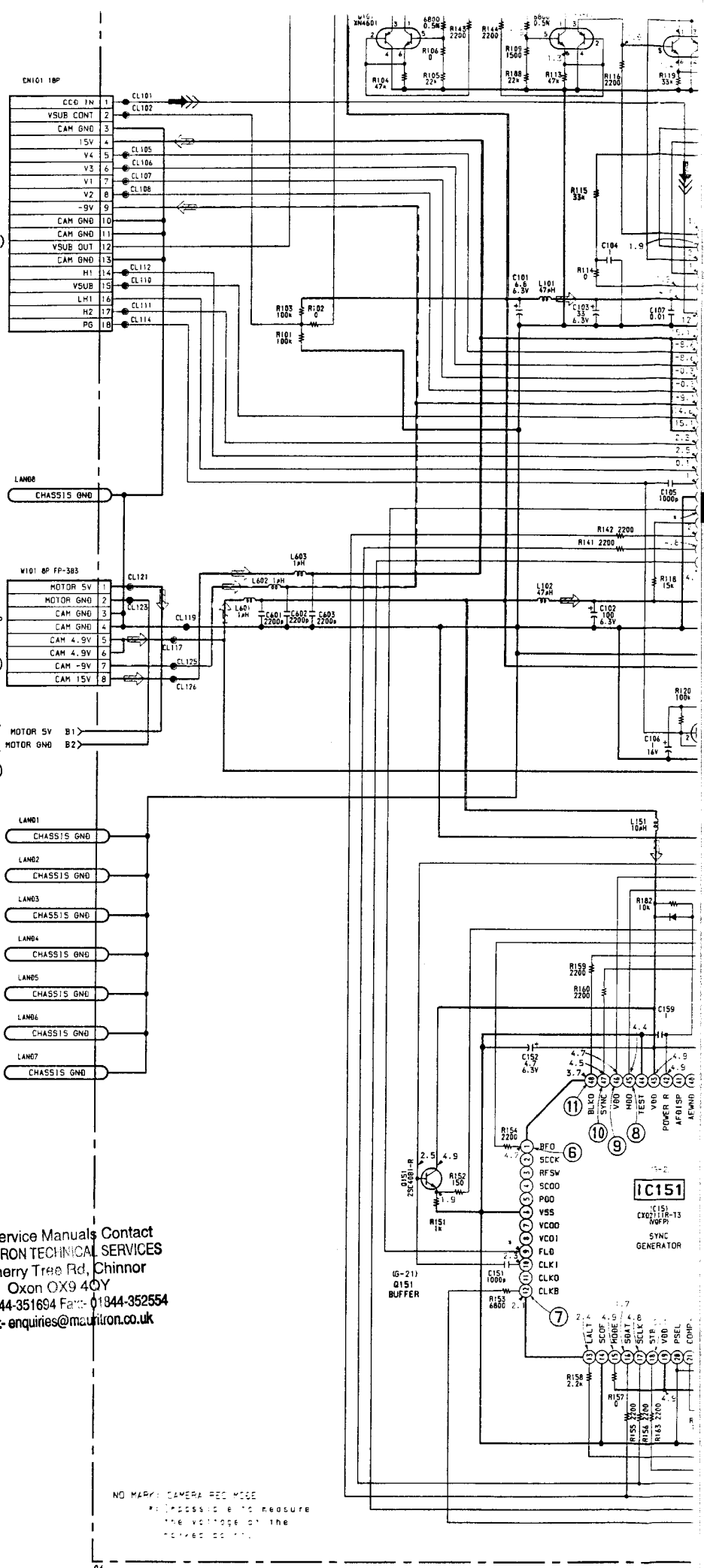
TO C0-74  
BOARD  
CN901  
(See page 112.)

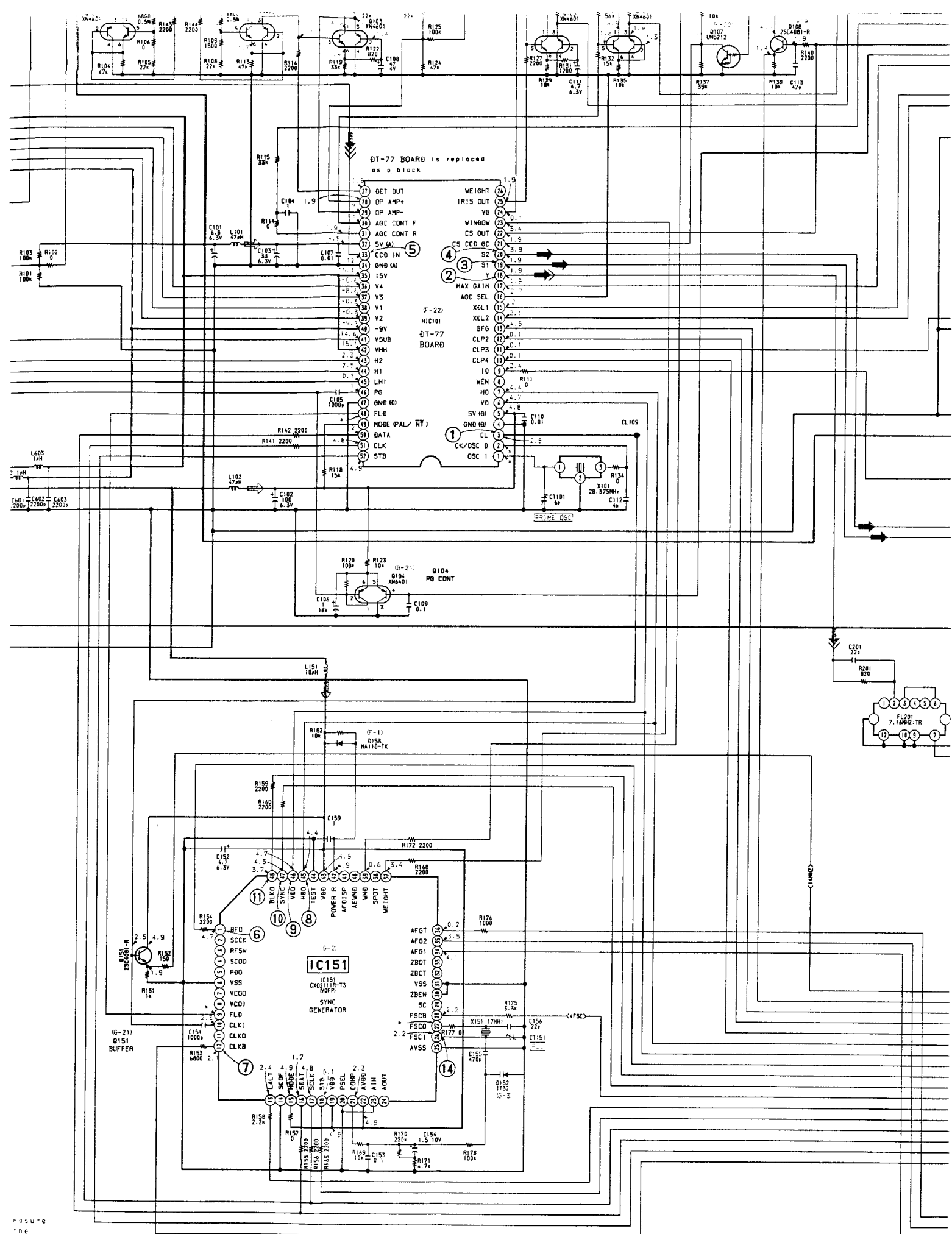
TO 00-33P  
BOARD  
CN102  
(See page 156.)

TO VC-106  
BOARD  
(CAM2 BLOCK)  
(See page 108.)

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Email: enquiries@mauritron.co.uk

NO MARK: CAMERA REC MODE  
\* ACCESSIBLE TO MEASURE  
THE VOLTAGE OF THE  
POWER SUPPLY









<B11 AGC CONT R  
 <B12 IRIS OUT  
 <B13 PG CONT  
 <B14 MAX GAIN

<B15 Y2 GAIN  
 <B16 REF 2V

<A4 CAM OND

<B17 01

<B18 L00

<B3 CAM 4.9V

<B19 C LEVEL

<B20 VB-DC  
 <B21 VB-B  
 <B22 VB-G  
 <B23 VB-R

<B24 CS OUT

<B25 R-Y OUT  
 <B26 B-Y OUT

<B27 YH GAIN  
 <B28 VAP SLICE  
 <B29 VAP OUT

<B30 VAP

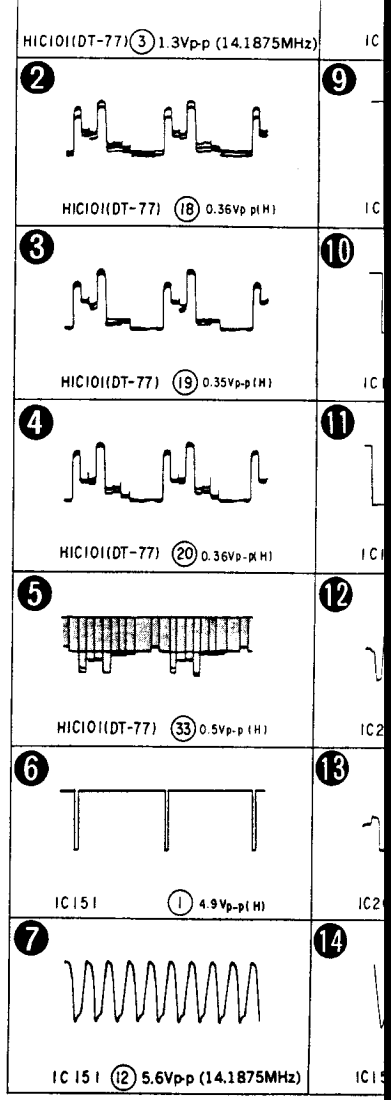
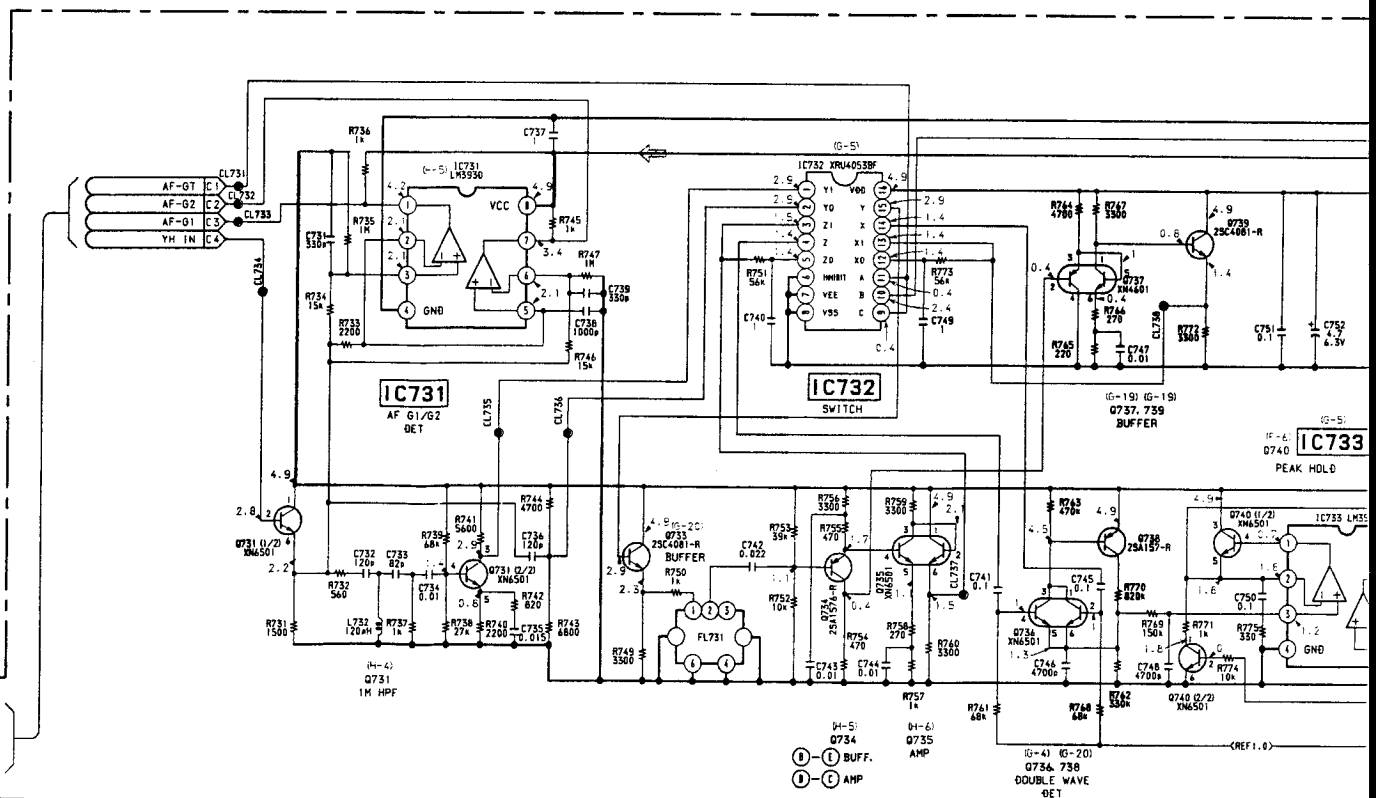
<B31 VAP GAIN  
 <B32 TP  
 <B33 Y1 CONT  
 <B34 Y LFP OUT  
 <B35 YHOUT1

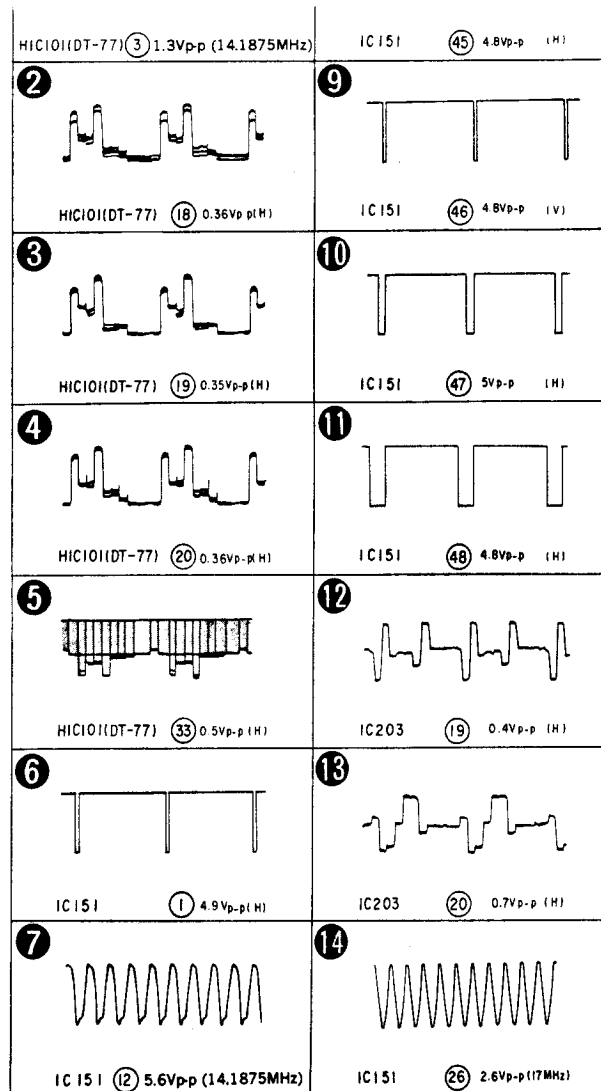
<B37 BF6  
 <B38 CLP2

<B40 HD  
 <B41 Y0  
 <B42 BF  
 <B43 BLK  
 <B44 SYNC  
 <B45 AFSC  
 <B46 LALT  
 <B47 SG STB  
 <B48 CAM SCK  
 <B49 CAM SO  
 <B50 TG STB  
 <B51 14MHz

<C1 AF GT  
 <C2 AF G2  
 <C3 AF G1  
 <C4 YH OUT

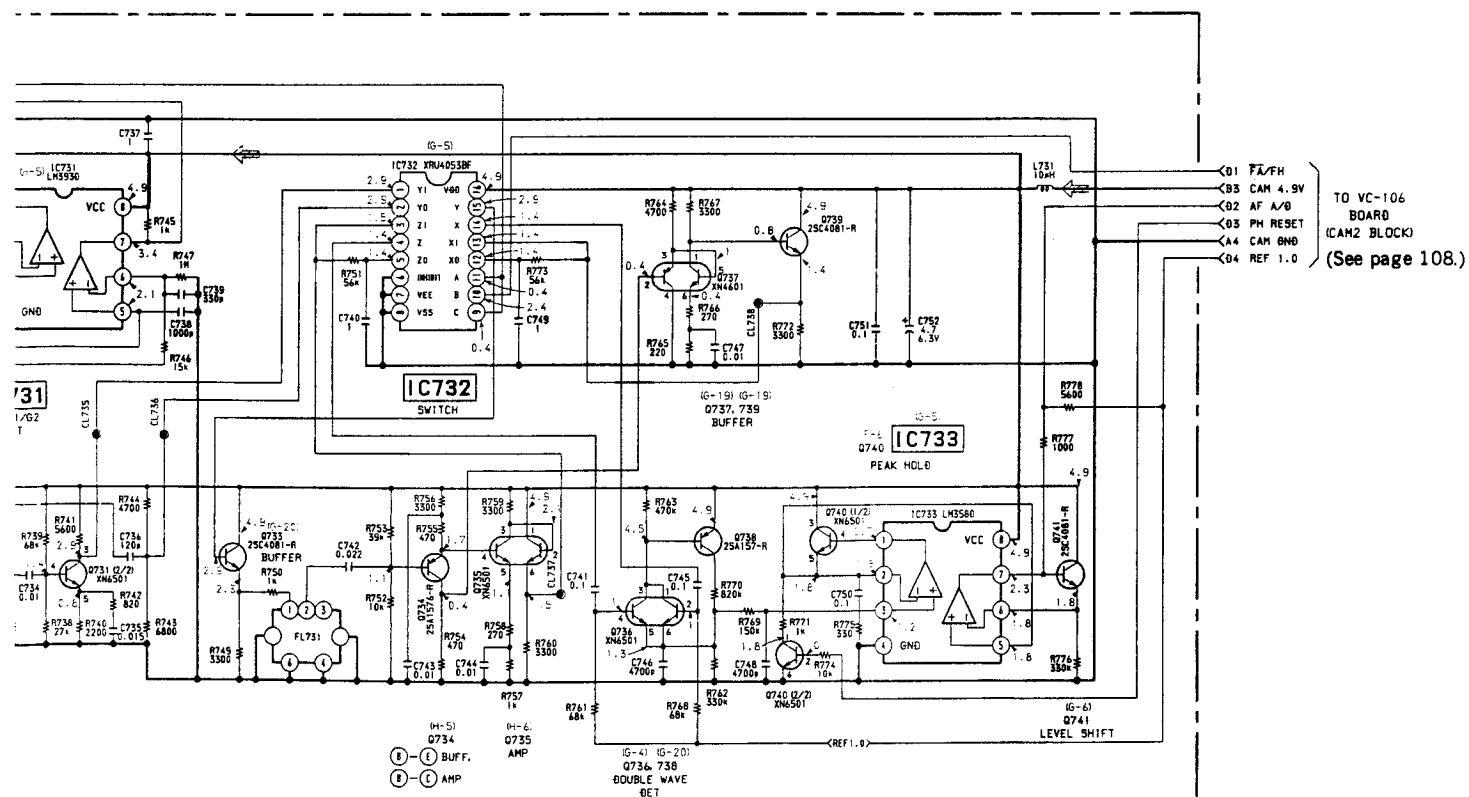
TO VC-106  
 BOARD  
 (CAM2 BLOCK)  
 (See page 105.)





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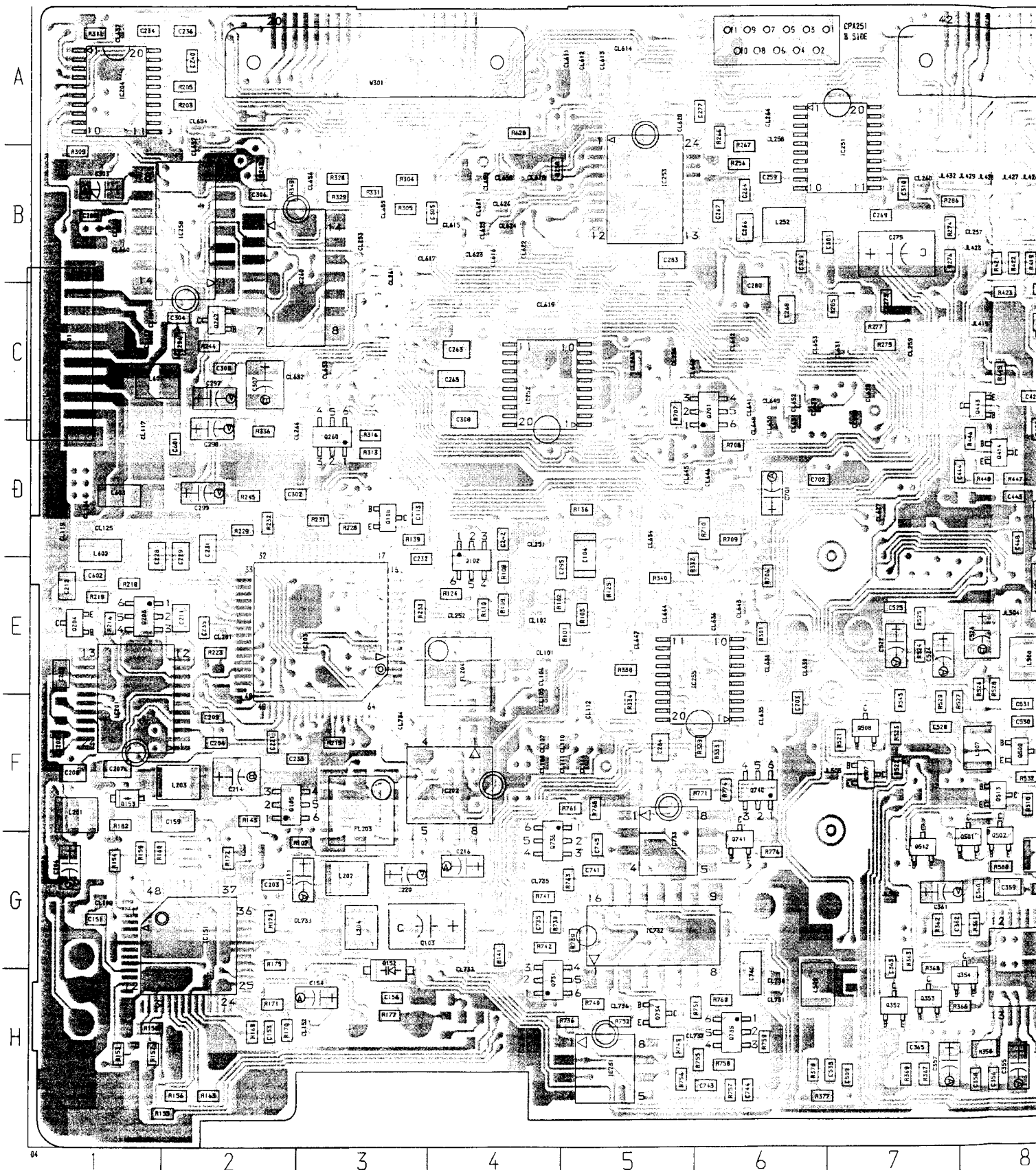
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**Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)**





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 Email:- enquiries@mauritron.co.uk

# VC-106 BOARD (CONDUCTOR SIDE)

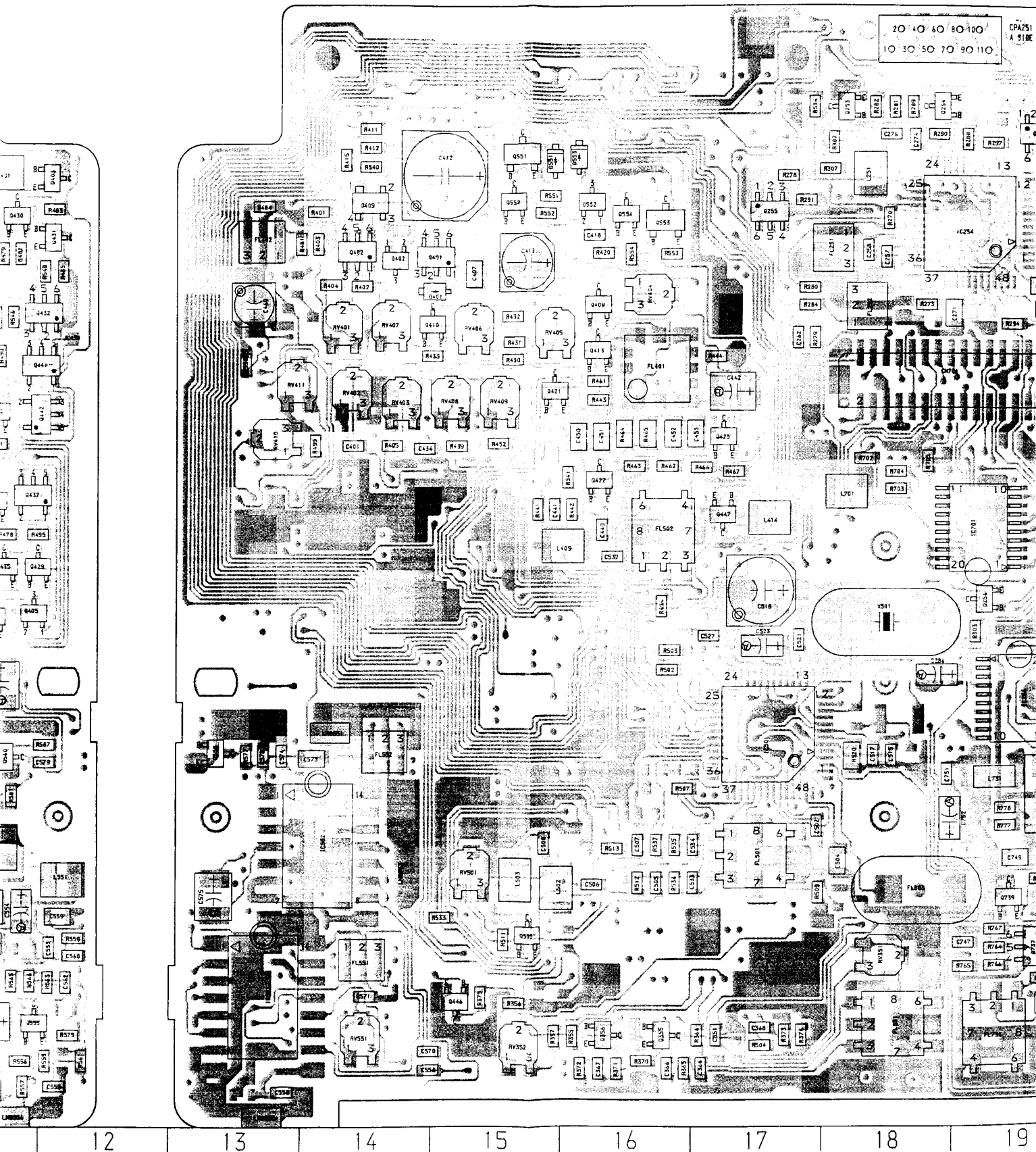




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**Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)**

D152	8-719-949
D153	8-719-404
D251	8-719-404
D253	8-719-404
D254	8-719-404
D351	8-719-404
D401	8-719-421

VC-106 BOARD (COMPONENT SIDE)



< DIODE >

D152 8-719-949-46 1T32  
D153 8-719-404-46 MA110  
D251 8-719-404-46 MA110  
D253 8-719-404-46 MA110  
D254 8-719-404-46 MA110  
D351 8-719-404-46 MA110  
D401 8-719-421-03 MA732

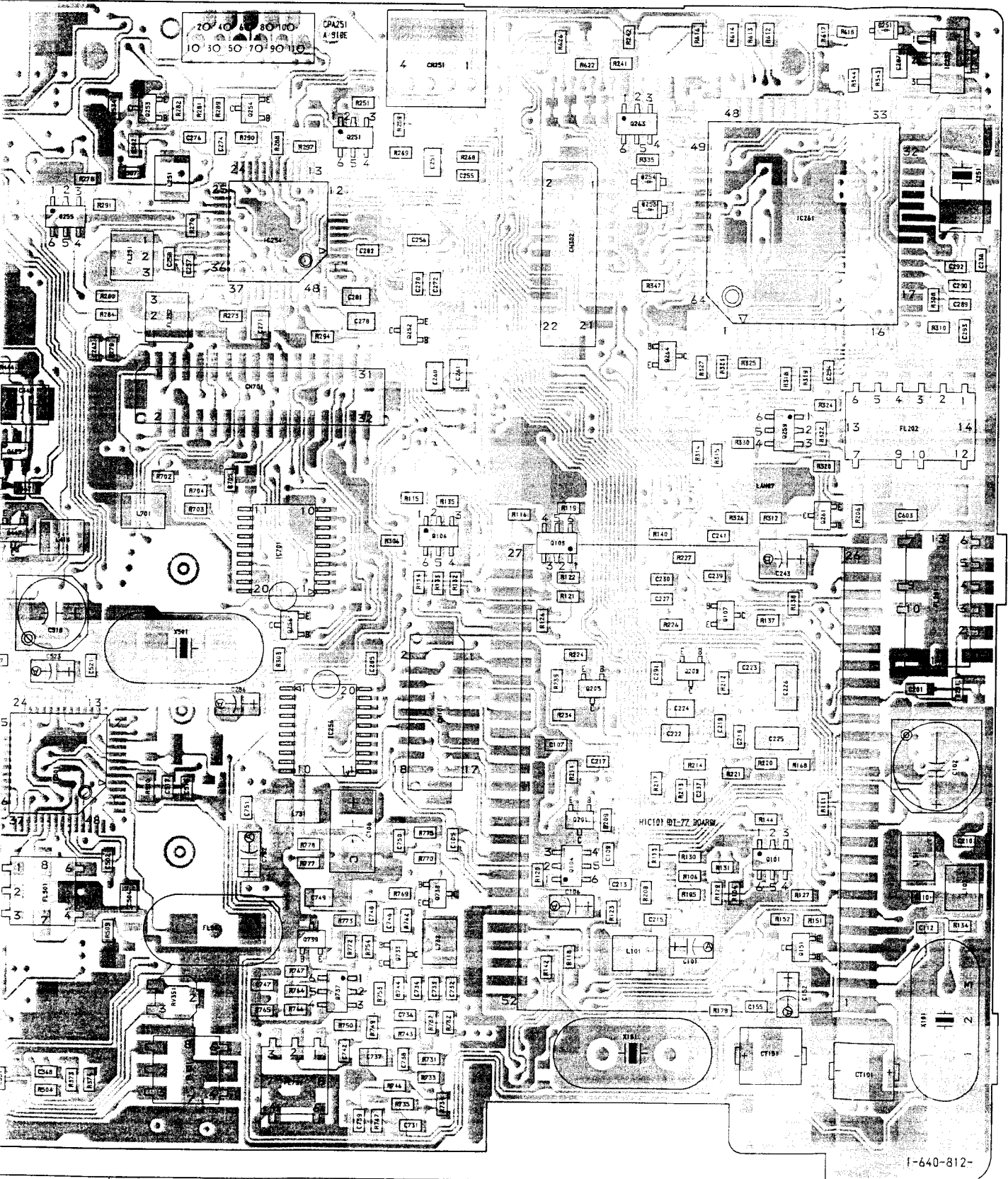
D402 8-719-404-35 MA141WK  
D403 8-719-820-05 1SS181  
D404 8-719-820-05 1SS181  
D405 8-719-404-35 MA141WK  
D406 8-719-404-46 MA110  
D551 8-719-404-46 MA110  
D552 8-719-404-35 MA141WK  
D553 8-719-404-46 MA110

< HIC >

HIC101 A-7068-194-A DT-77 BOARD, COMPLETE

< IC >

IC151 8-752-339-77 CXD2111R-T3  
IC201 8-752-340-34 CXL1507AN  
IC202 8-752-332-69 CXL5504M  
IC203 8-752-038-97 CXA1391R  
IC204 8-759-946-00 MB88341PFV



1-640-812-

13

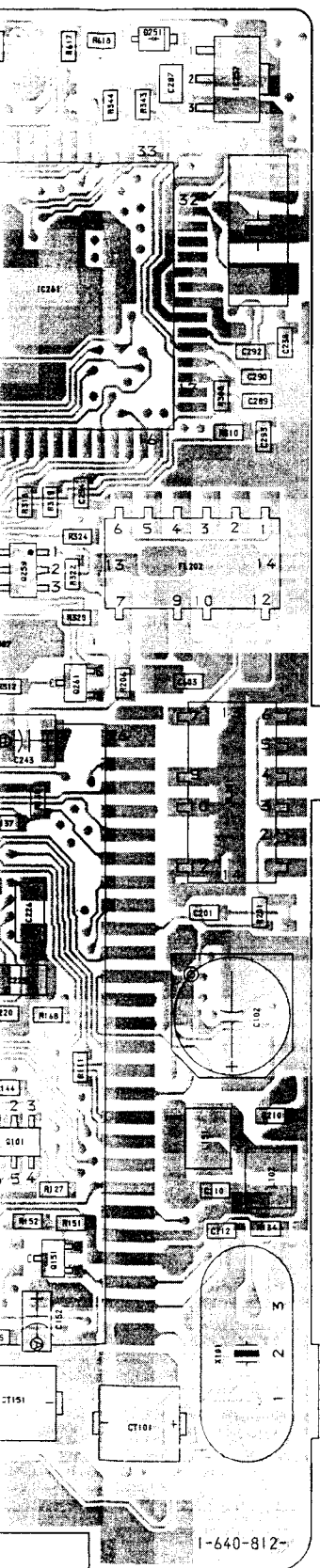


< HIC >

HIC101 A-7068-194-A DT-77 BOARD, COMPLETE

< IC >

IC151 8-752-339-77 CXD2111R-T3  
IC201 8-752-340-34 CXL1507AN  
IC202 8-752-332-69 CXL5504M  
IC203 8-752-038-97 CXA1391R  
IC204 8-759-946-00 MB88341PFV



23

IC251 8-759-946-00 MB88341PFV  
IC252 8-752-056-04 CXA1609N  
IC253 8-752-039-49 CXA1393AN  
IC254 8-752-057-59 CXA1592R  
IC255 8-759-521-09 MB88346APFV  
IC256 8-759-512-59 MB88352PFV  
IC257 8-759-937-56 S-8054ALB-LM-S  
IC258 8-759-008-67 MC14066BF  
IC260 8-759-998-96 LM324D  
IC261 8-759-044-05 MC68HC111L6FUSC400607  
IC351 8-759-605-61 CXA1203N  
IC401 8-752-036-19 CXA1207AR  
IC501 8-752-036-20 CXA1208R  
IC551 8-752-333-24 CXL1506M  
IC552 8-752-333-24 CXL1506M  
IC701 8-752-348-74 CXD2104AN  
IC731 8-759-998-92 LM393D  
IC732 8-759-509-17 XRU4053BF  
IC733 8-759-998-98 LM358D

< TRANSISTOR >

Q101 8-729-907-46 1M21  
Q102 8-729-907-46 1M21  
Q103 8-729-907-46 1M21  
Q104 8-729-925-42 1M22  
Q105 8-729-907-46 1M21  
Q106 8-729-907-46 1M21  
Q107 8-729-402-45 UN5212  
Q108 8-729-905-35 2SC4081-R  
Q151 8-729-905-35 2SC4081-R  
Q201 8-729-905-23 2SA1576-R  
Q202 8-729-905-23 2SA1576-R  
Q203 8-729-925-42 1M22  
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Q205 8-729-905-23 2SA1576-R  
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Q260 8-729-925-42 1M22  
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Q418 8-729-905-23 2SA1576-R  
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Q420 8-729-905-35 2SC4081-R  
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Q422 8-729-823-16 2SC4555-5.6.7  
Q423 8-729-823-16 2SC4555-5.6.7  
Q424 8-729-905-18 DTC144EU  
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Q426 8-729-905-12 DTA144EU  
Q427 8-729-905-18 DTC144EU  
Q428 8-729-905-18 DTC144EU  
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Q430 8-729-423-52 2SC3931  
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Q501 8-729-905-35 2SC4081-R  
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Q551 8-729-807-87 2SB1295-UL6  
Q552 8-729-905-18 DTC144EU  
Q553 8-729-807-87 2SB1295-UL6  
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Q736 8-729-920-59 1MX2  
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Q738 8-729-905-23 2SA1576-R  
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Q741 8-729-905-35 2SC4081-R

## &lt; DIODE &gt;

D152 8-719-949-46 1T32  
 D153 8-719-404-46 MA110  
 D251 8-719-404-46 MA110  
 D253 8-719-404-46 MA110  
 D254 8-719-404-46 MA110  
 D351 8-719-404-46 MA110  
 D401 8-719-421-03 MA732  
 D402 8-719-404-35 MA141WK  
 D403 8-719-820-05 1SS181  
 D404 8-719-820-05 1SS181  
 D405 8-719-404-35 MA141WK  
 D406 8-719-404-46 MA110  
 D551 8-719-404-46 MA110  
 D552 8-719-404-35 MA141WK  
 D553 8-719-404-46 MA110

## &lt; HIC &gt;

HIC101 A-7068-194-A DT-77 BOARD, COMPLETE

## &lt; IC &gt;

IC151 8-752-339-77 CXD2111R-T3  
 IC201 8-752-340-34 CXL1507AN  
 IC202 8-752-332-69 CXL5504M  
 IC203 8-752-038-97 CXA1391R  
 IC204 8-759-946-00 MB88341PFV  
 IC251 8-759-946-00 MB88341PFV  
 IC252 8-752-056-04 CXA1609N  
 IC253 8-752-039-49 CXA1393AN  
 IC254 8-752-057-59 CXA1592R  
 IC255 8-759-521-09 MB88346APFV  
 IC256 8-759-512-59 MB88352PFV  
 IC257 8-759-937-56 S-8054ALB-LM-S  
 IC258 8-759-008-67 MC14066BF  
 IC260 8-759-998-96 LM324D  
 IC261 8-759-044-05 MC68HC11L6FUSC400607  
 IC351 8-759-605-61 CXA1203N  
 IC401 8-752-036-19 CXA1207AR  
 IC501 8-752-036-20 CXA1208R  
 IC551 8-752-333-24 CXL1506M  
 IC552 8-752-333-24 CXL1506M  
 IC701 8-752-348-74 CXD2104AN  
 IC731 8-759-998-92 LM393D  
 IC732 8-759-509-17 XRU4053BF  
 IC733 8-759-998-98 LM358D

## &lt; TRANSISTOR &gt;

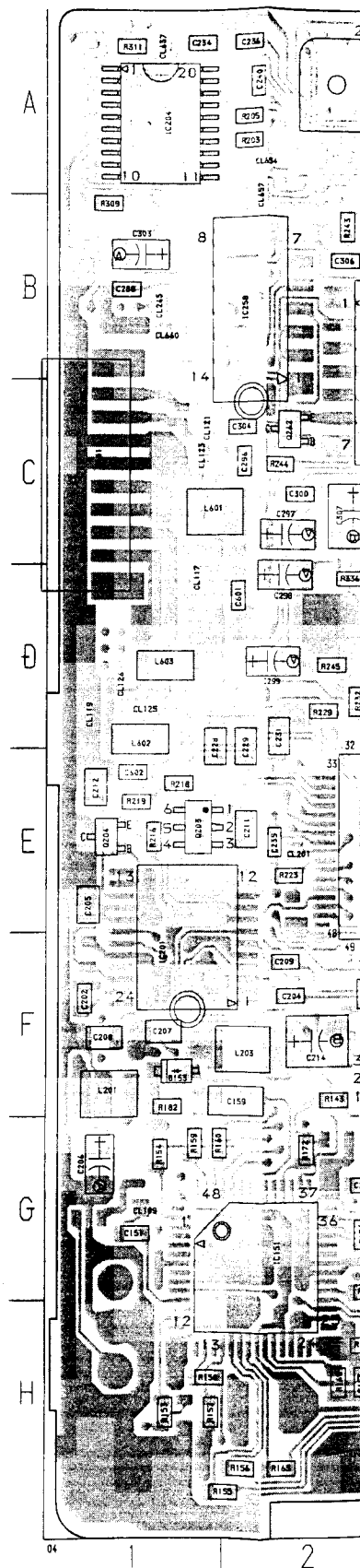
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 Q151 8-729-905-35 2SC4081-R  
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 Q514 8-729-905-18 DTC144EU  
 Q551 8-729-807-87 2SB1295-UL5  
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## VC-106 (CAMERA) PRINTED WIR

-Ref. No. VC-106 BOARD : 1000

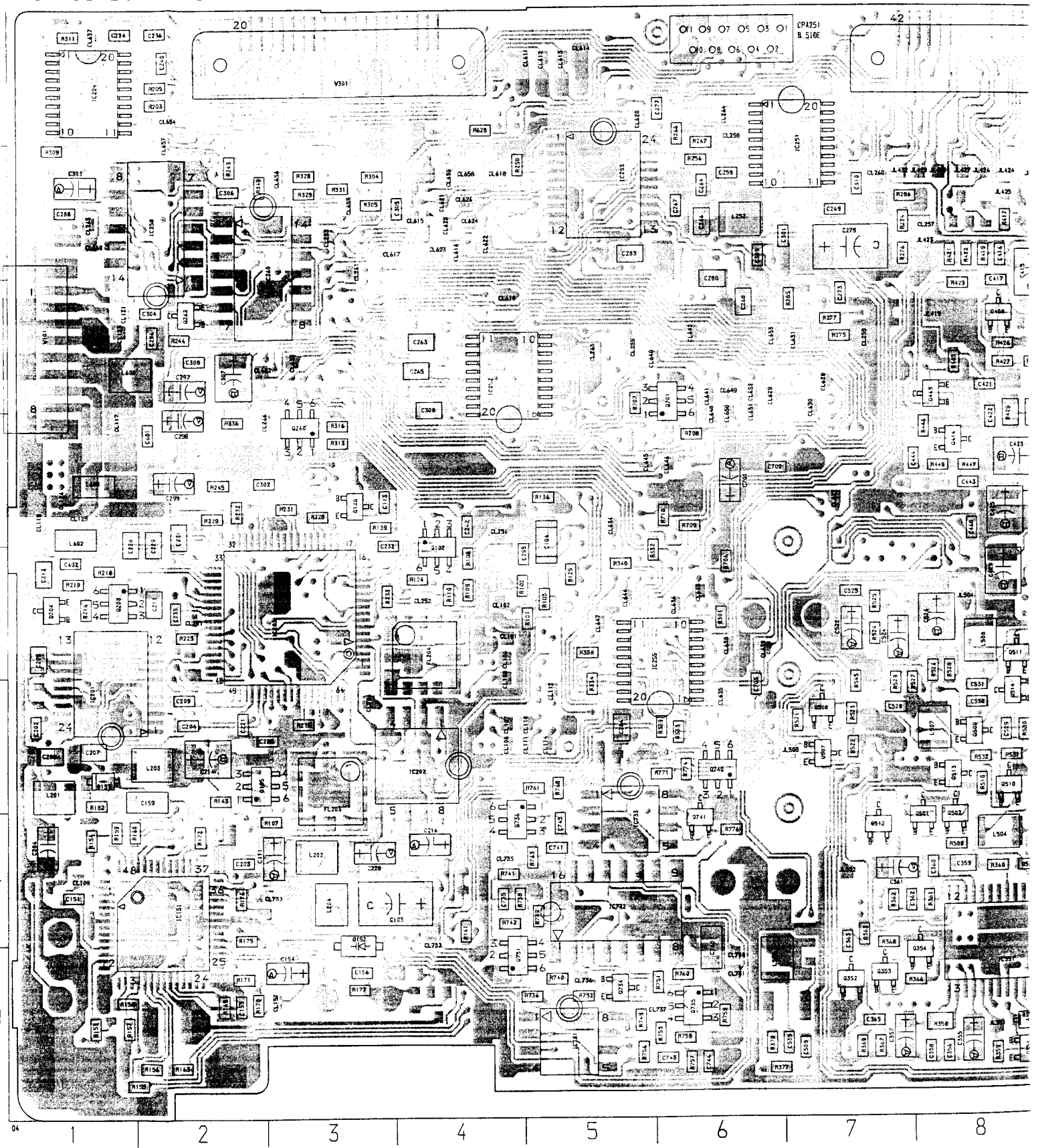
## VC-106 BOARD (CONT)



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Q554	8-729-905-18	DTC144EU	Q731	8-729-920-59	1M2	Q740	8-729-
Q555	8-729-905-23	2SA1576-R	Q733	8-729-905-35	2SC4081-R	Q741	8-729-
Q556	8-729-905-35	2SC4081-R	Q734	8-729-905-23	2SA1576-R		
Q557	8-729-905-35	2SC4081-R	Q735	8-729-920-59	1M2		
Q558	8-729-905-18	DTC144EU	Q736	8-729-920-59	1M2		
Q559	8-729-905-23	2SA1576-R	Q737	8-729-907-46	1M21		
Q560	8-729-905-35	2SC4081-R	Q738	8-729-905-23	2SA1576-R		

# **VC-106 (CAMERA) PRINTED WIRING BOARD** —Ref. No. VC-106 BOARD : 1000 series—

## VC-106 BOARD (CONDUCTOR SIDE)

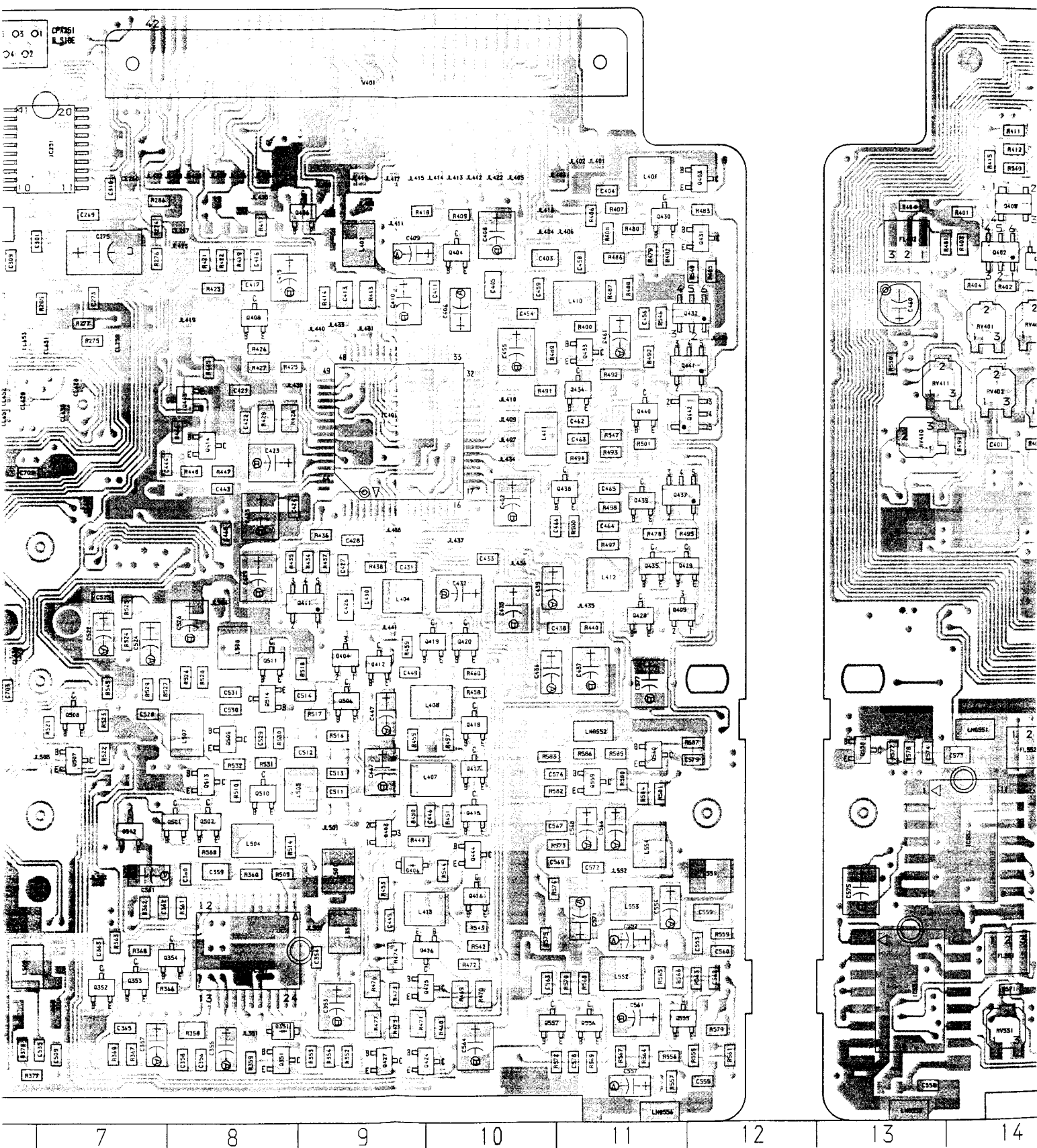


**MERA (2) CAMERA (2)**

9-907-46 IMZ1	Q739	8-729-905-35 2SC4081-R
9-920-59 IMX2	Q740	8-729-920-59 IMX2
9-905-35 2SC4081-R	Q741	8-729-905-35 2SC4081-R
9-905-23 2SA1576-R		
9-920-59 IMX2		
9-920-59 IMX2		
9-907-46 IMZ1		
9-905-23 2SA1576-R		

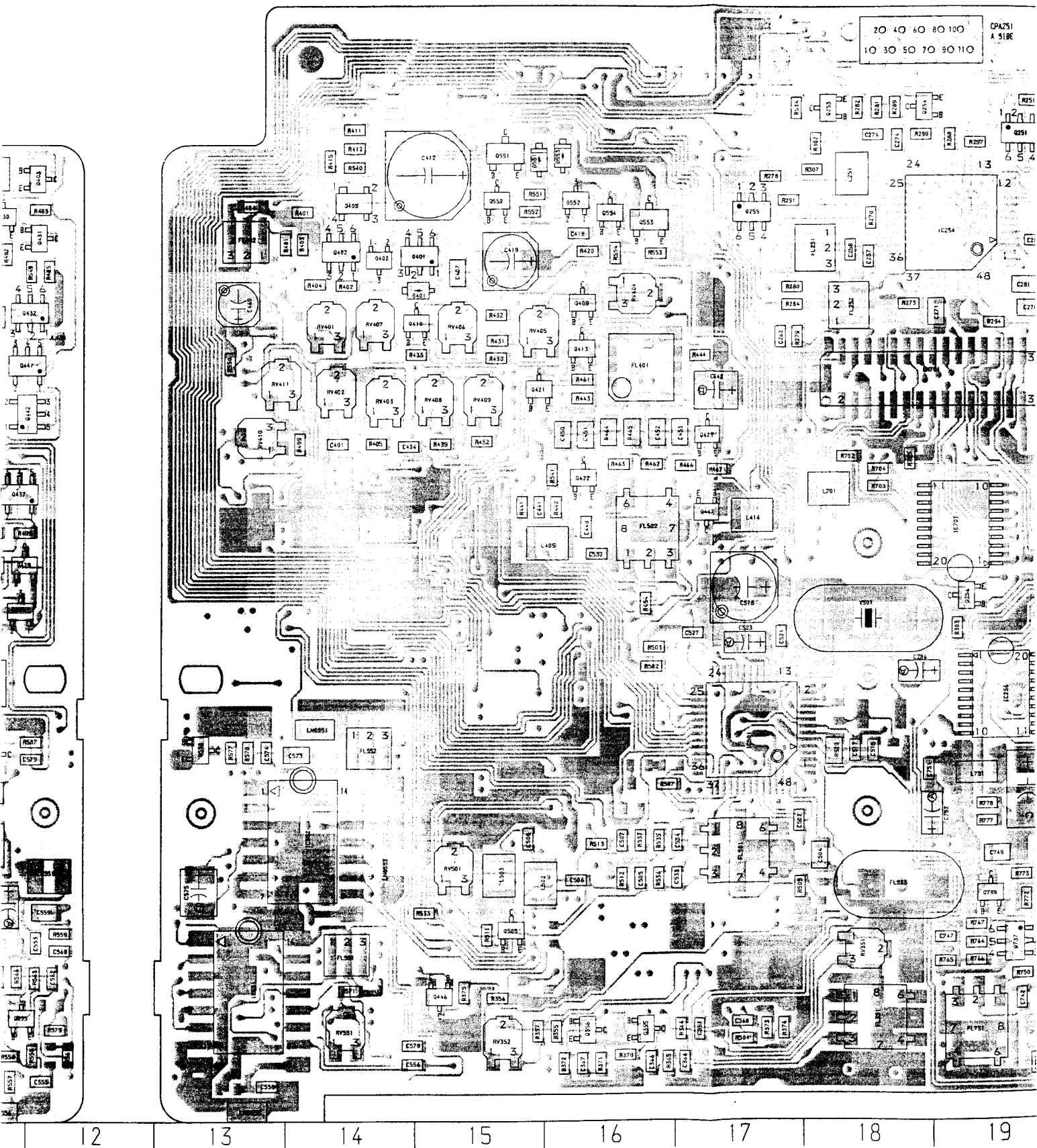
For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel: 01844-351694 Fax: 01844-352554  
 Email: enquiries@mauritron.co.uk

VC-106 B

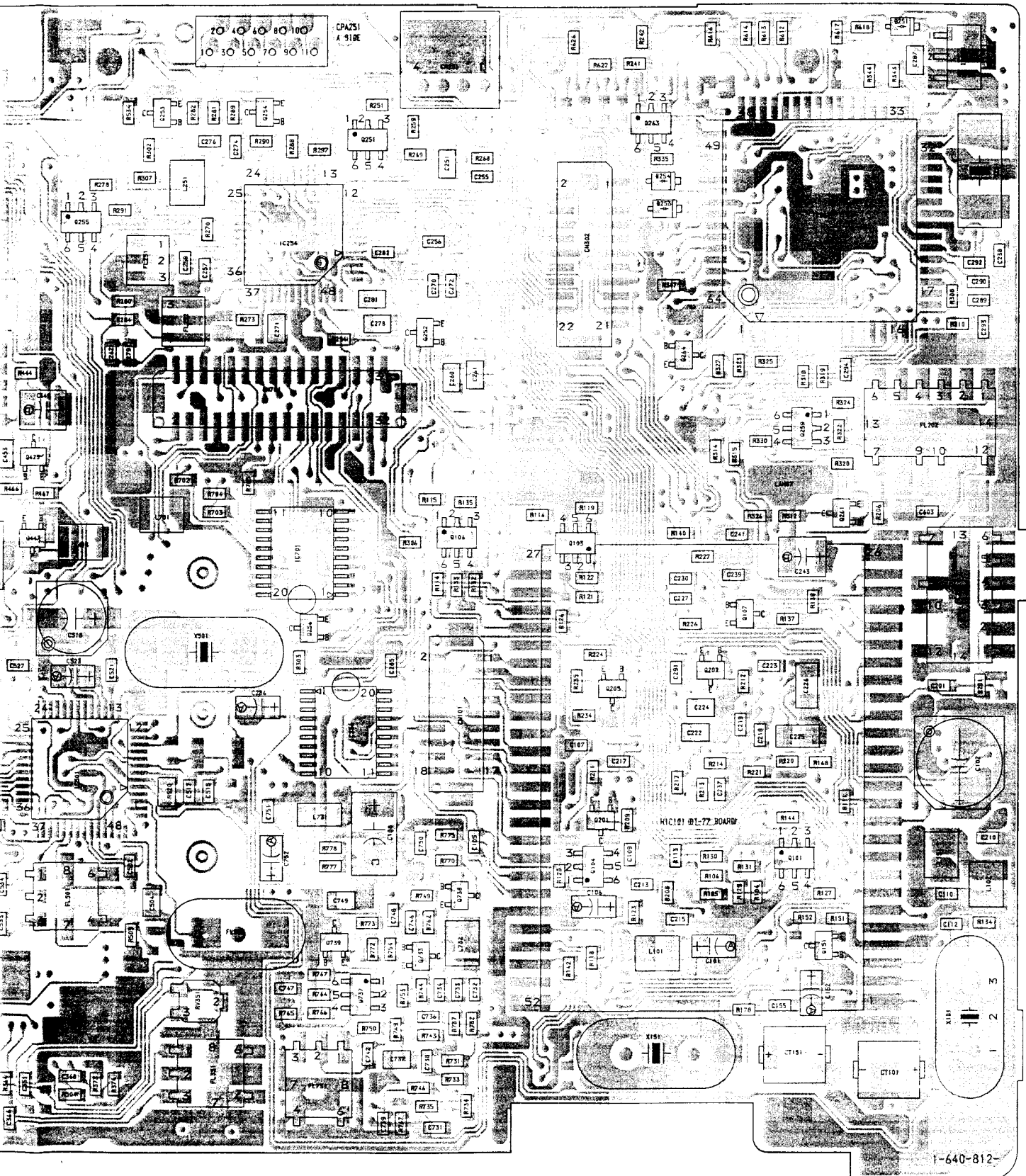




## VC-106 BOARD (COMPONENT SIDE)



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 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk



1-640-812

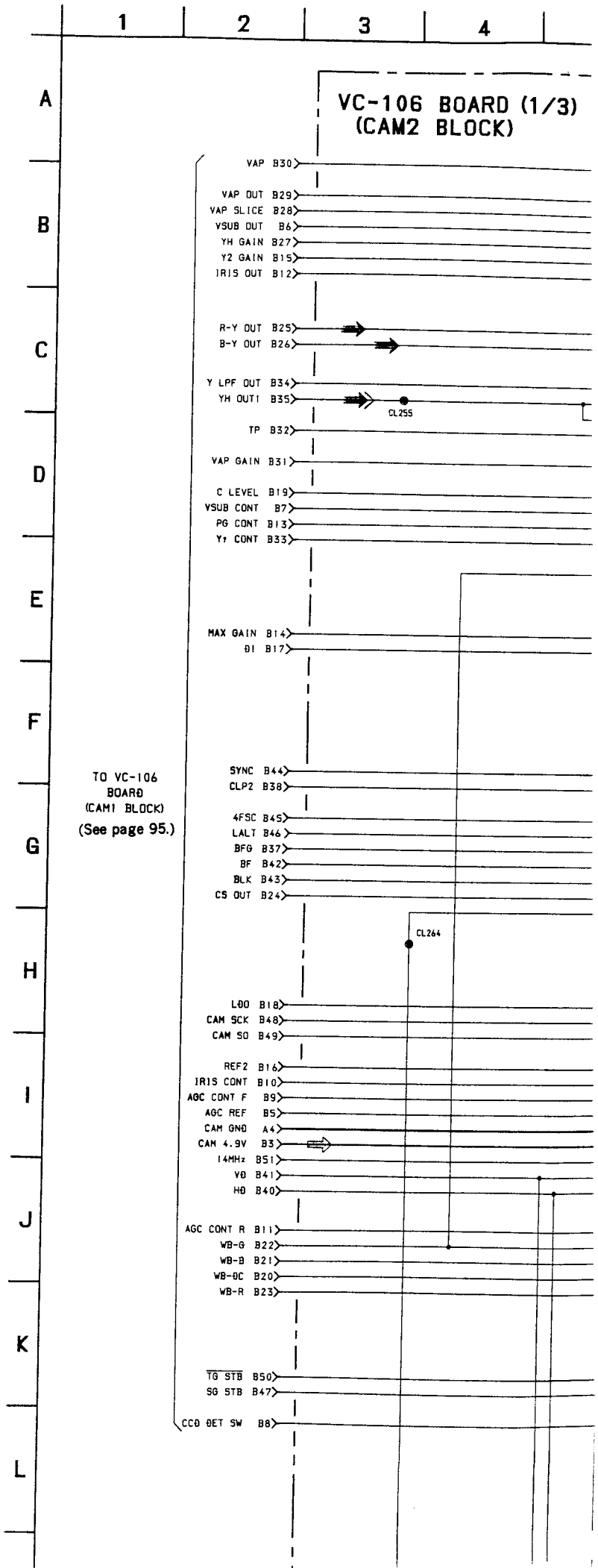
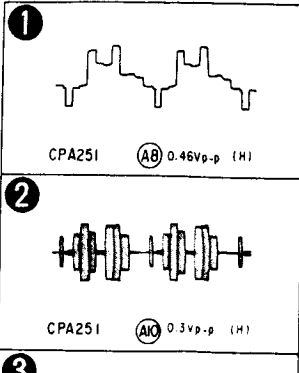
13

CAMERA (2)

**VC-106 (CAMERA) SCHEMATIC DIAGRAM**  
 —Ref. No. VC-106 BOARD : 1000 series—

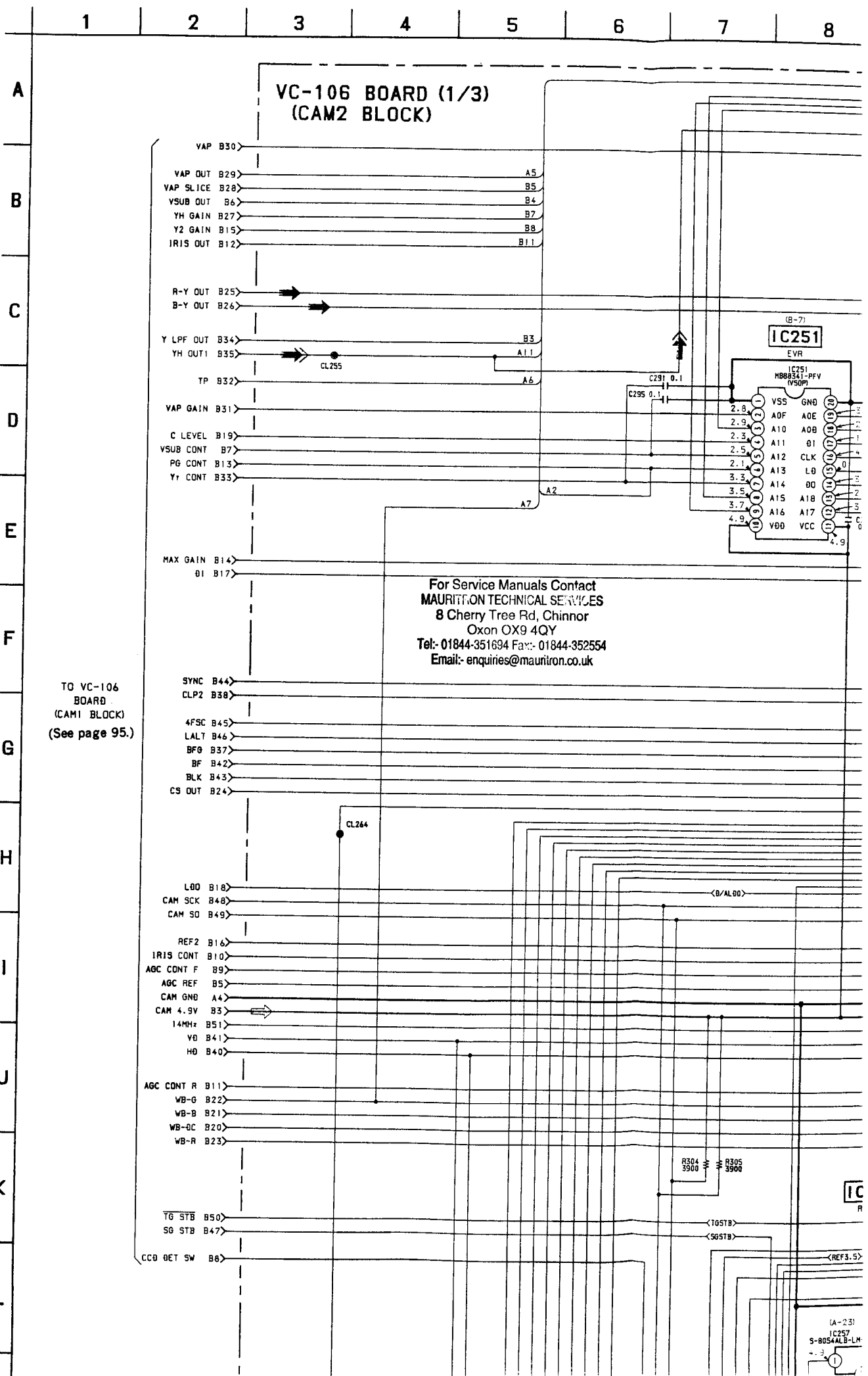
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 Email:- enquiries@mauritron.co.uk

**VC-106 BOARD**  
 (CAMERA REC MODE)



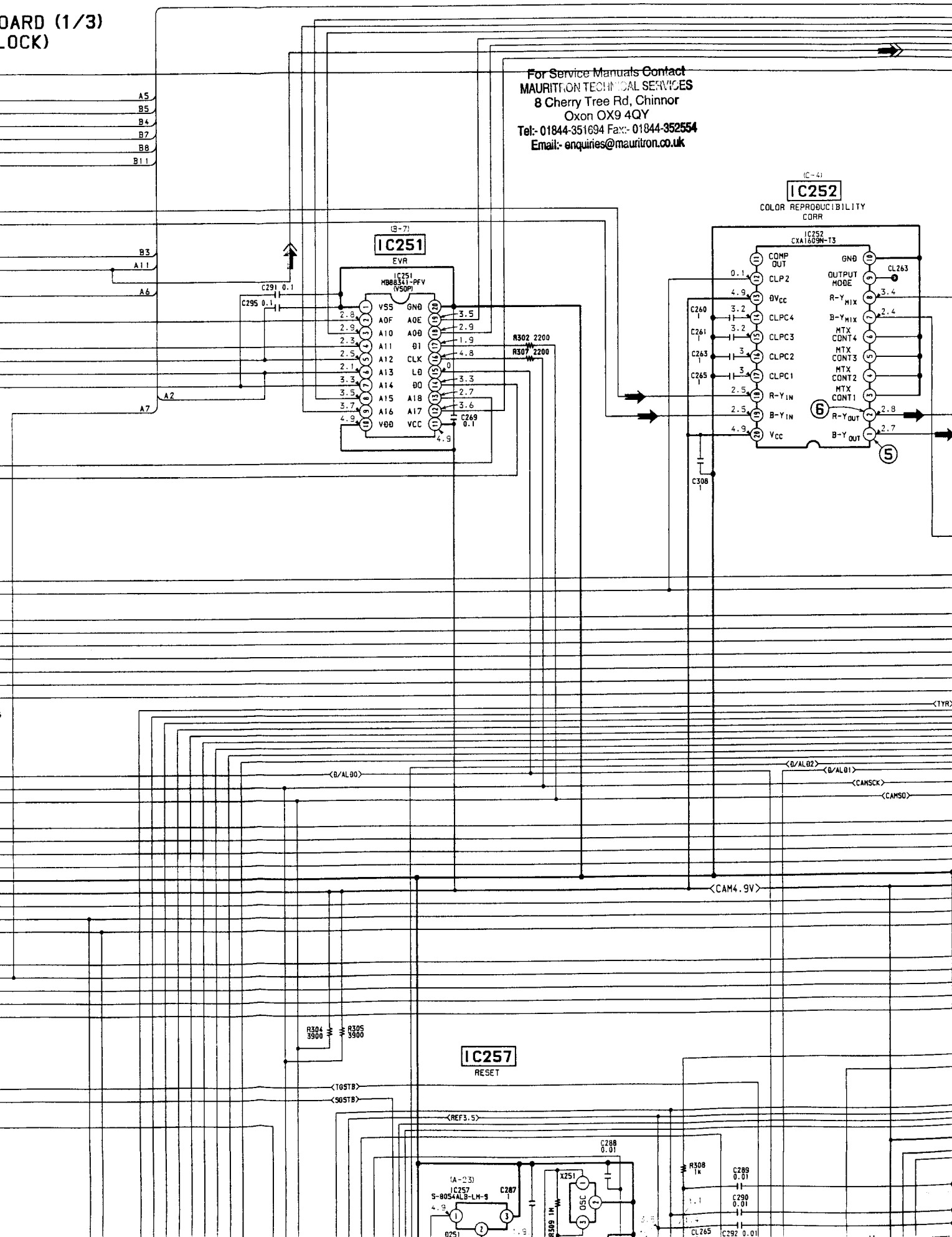
# VC-106 (CAMERA) SCHEMATIC DIAGRAM

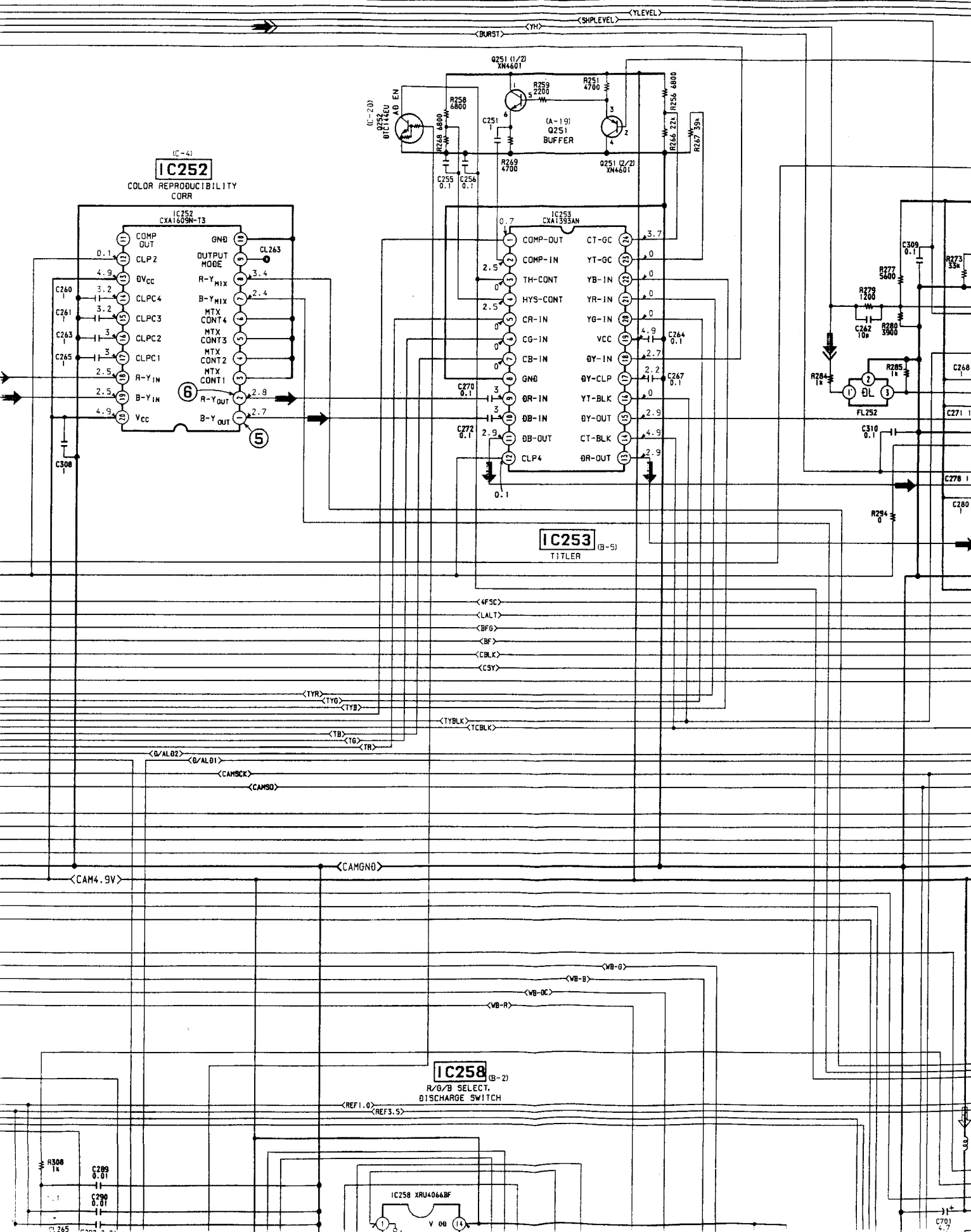
—Ref. No. VC-106 BOARD : 1000 series—



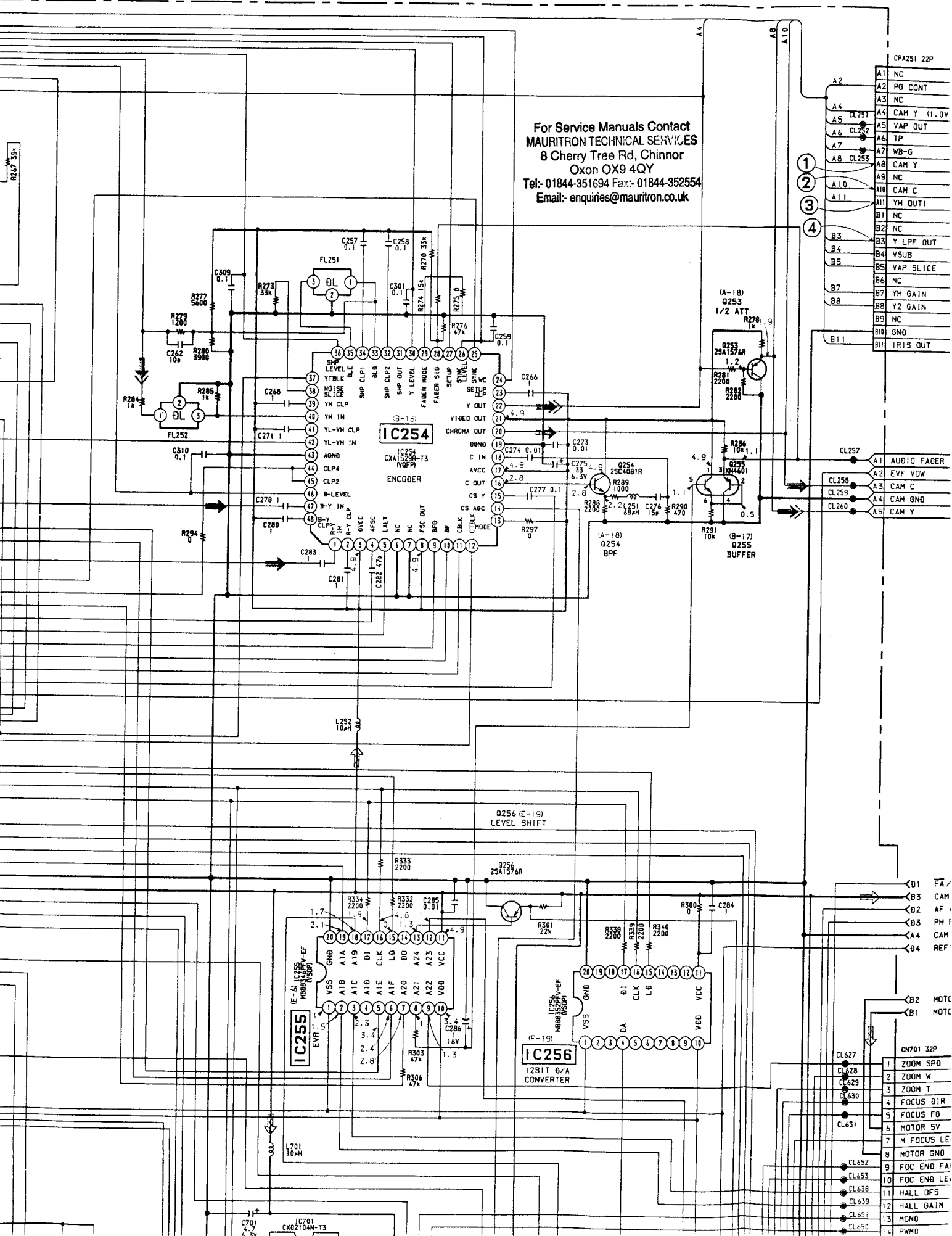
BOARD (1/3)  
LOCK)

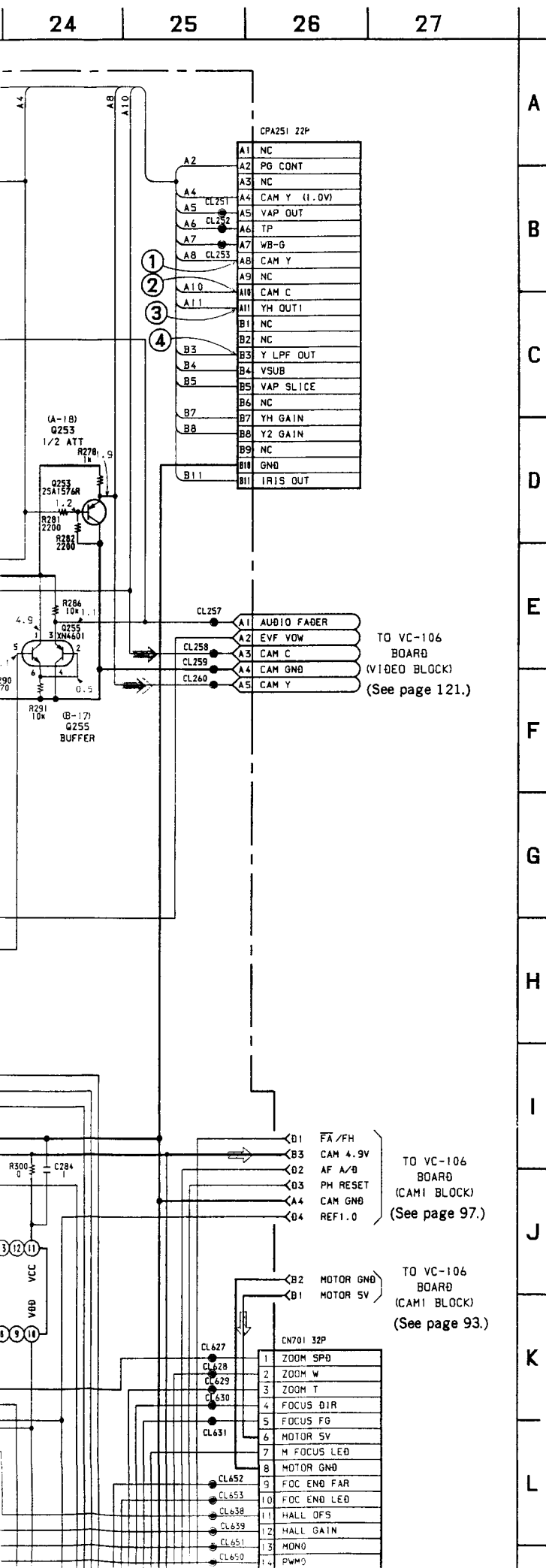
For Service Manuals Contact  
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Oxon OX9 4QY  
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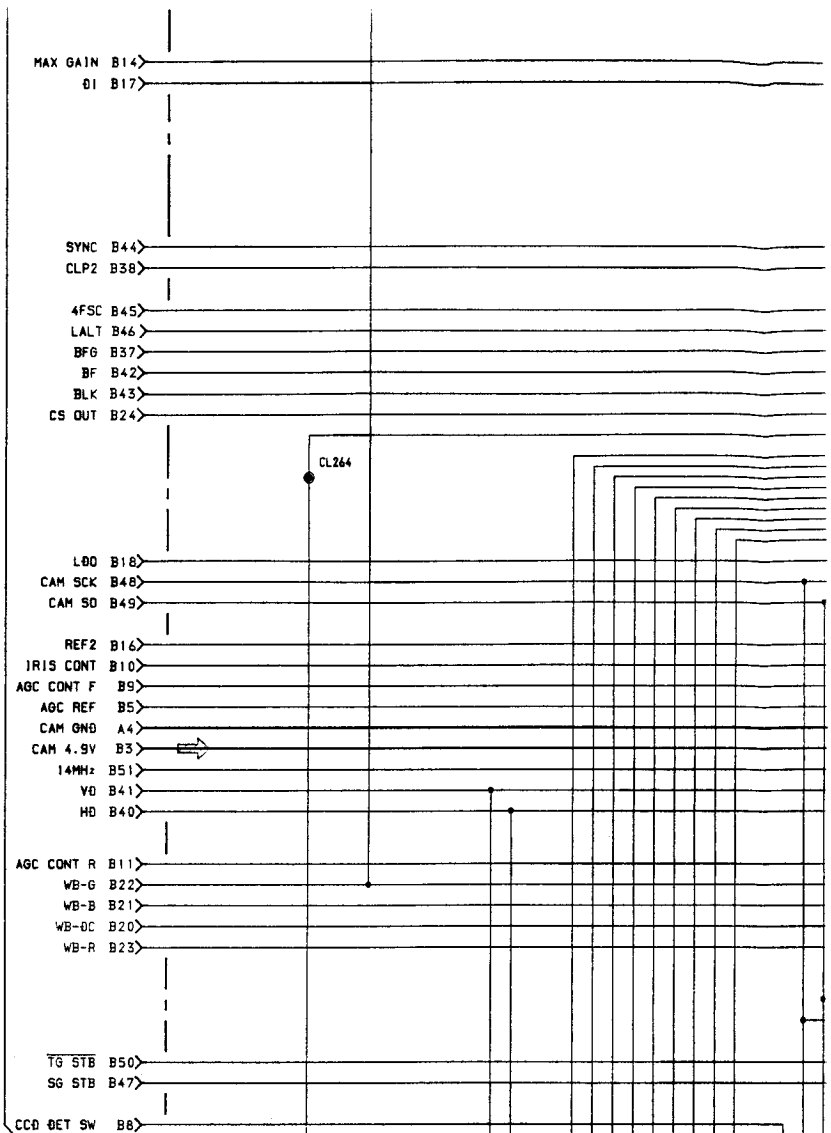
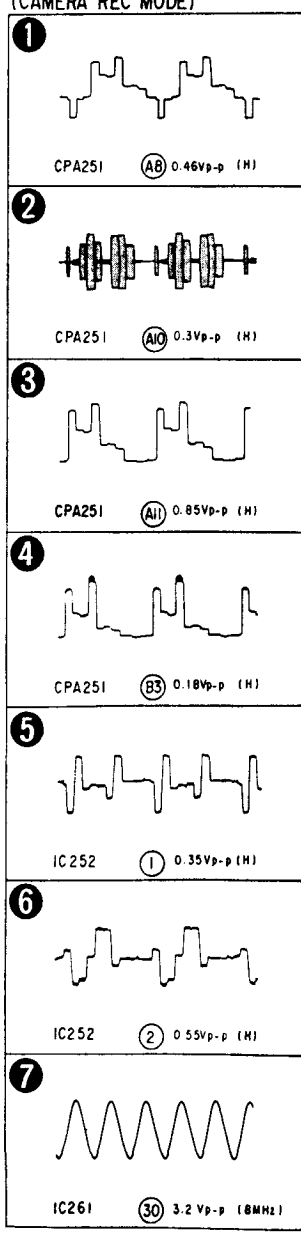




E  
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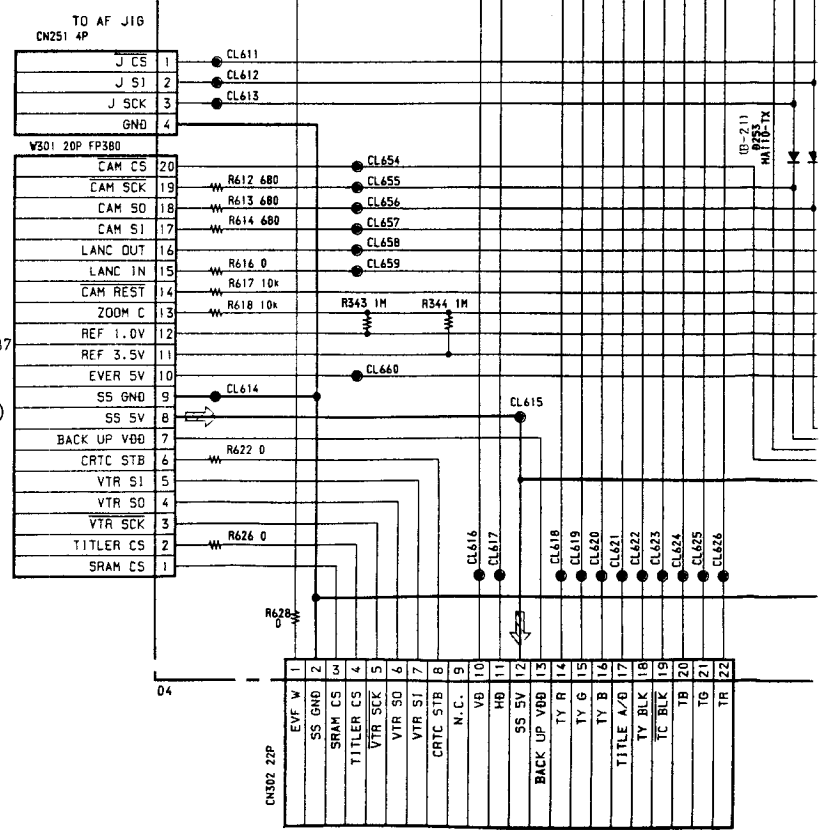
TO VC-106  
BOARD  
(CAM1 BLOCK)  
(See page 95.)

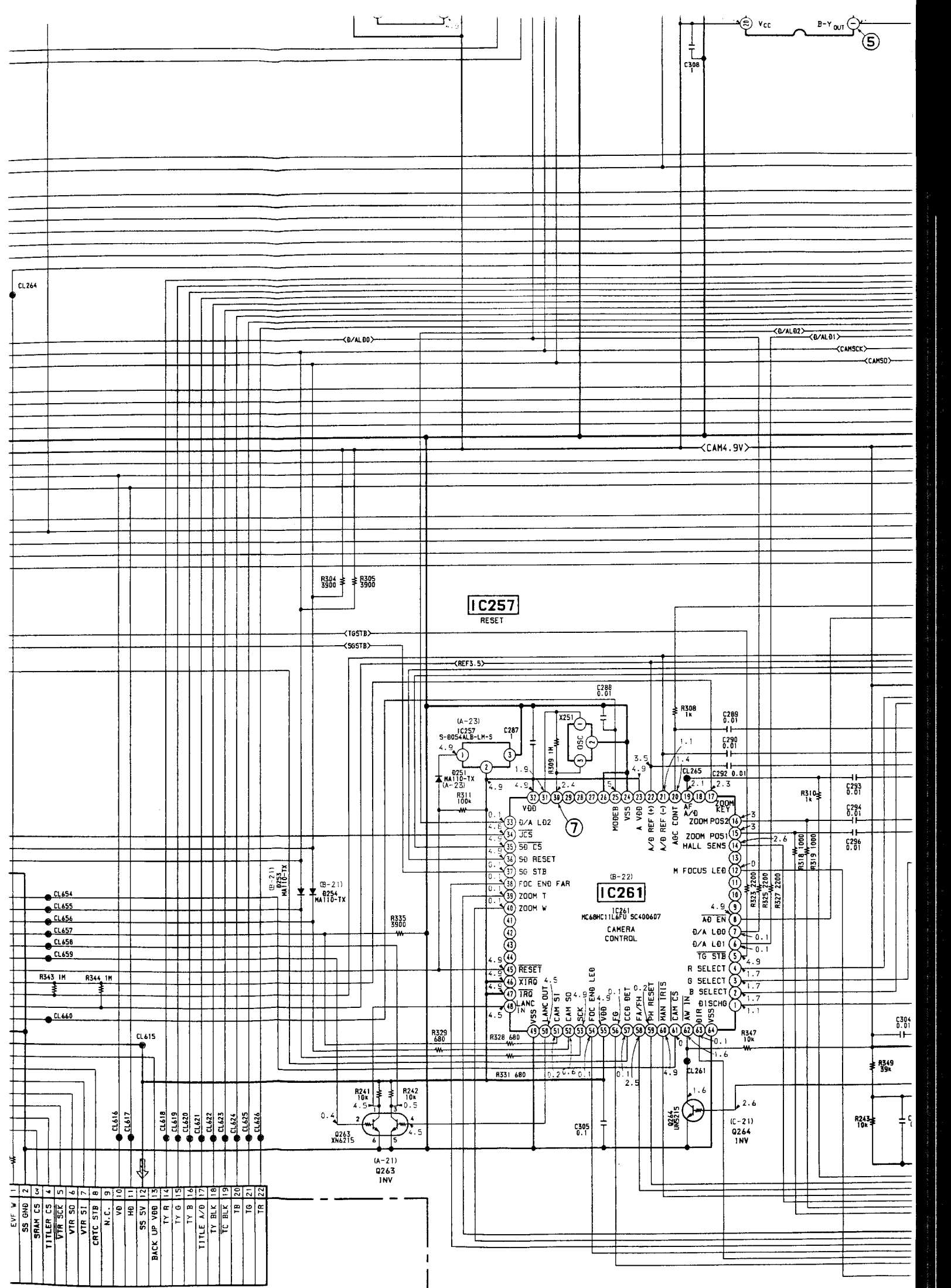
# VC-106 BOARD (CAMERA REC MODE)

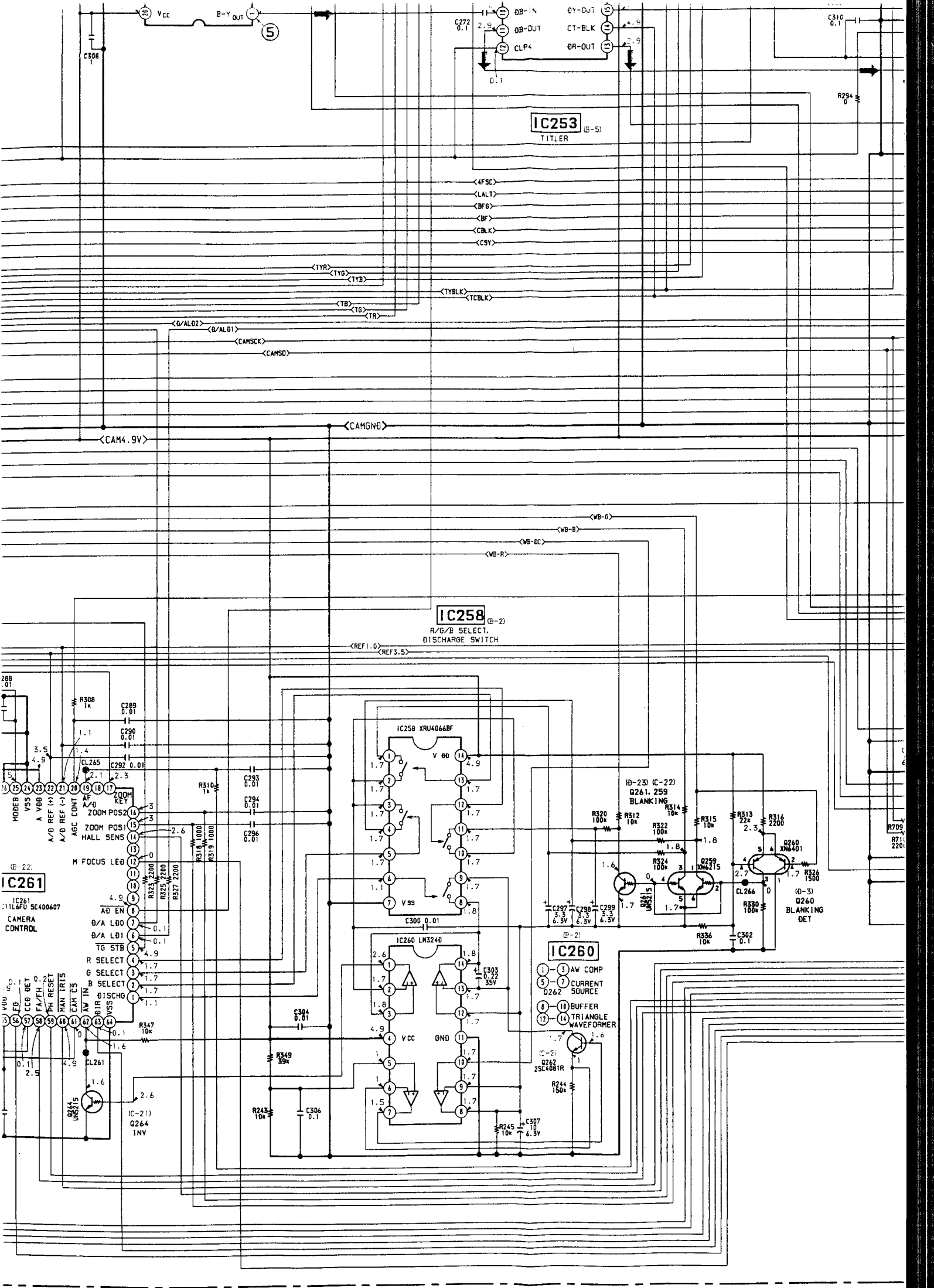


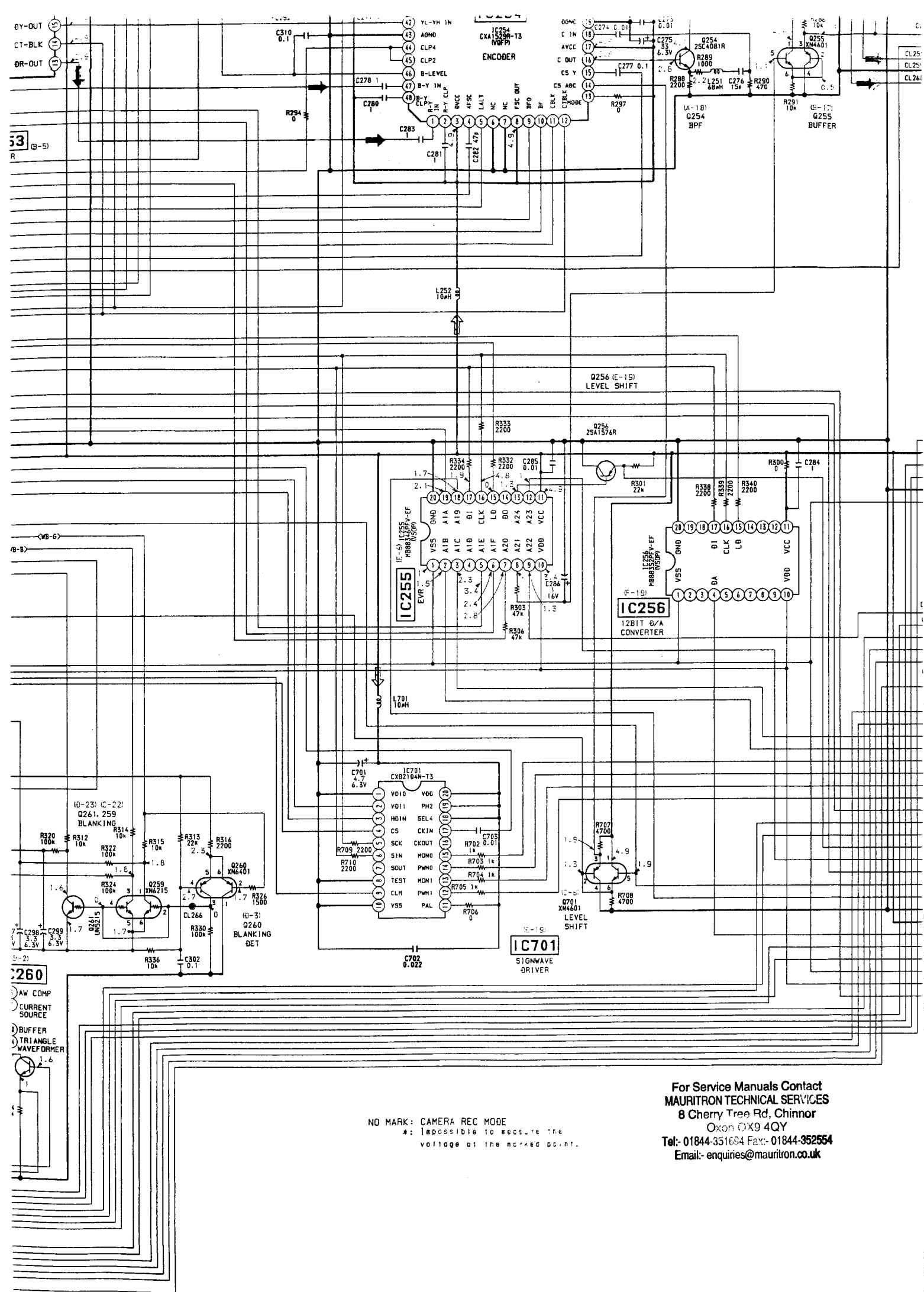
For Service Manuals Contact  
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Oxon OX9 4QY  
Tel: 01844-351894 Fax: 01844-352554  
Email: enquiries@mauritron.co.uk

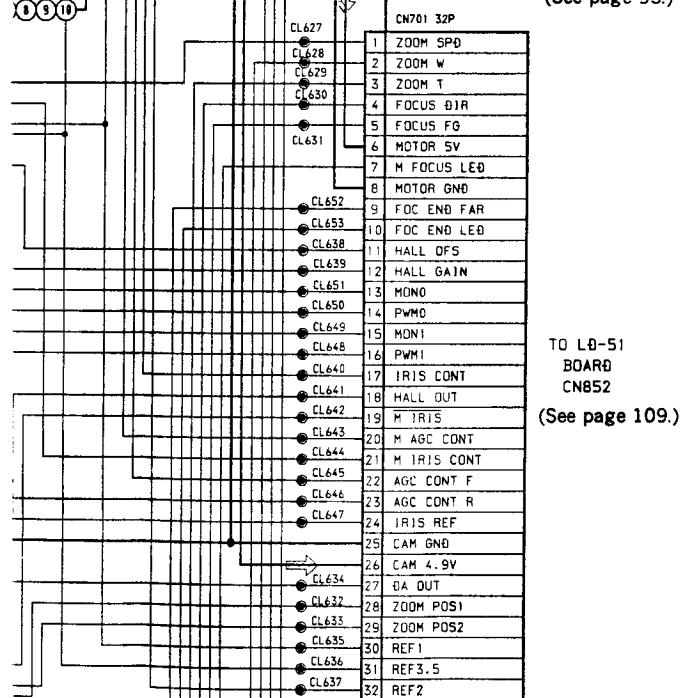
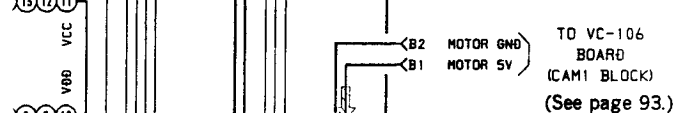
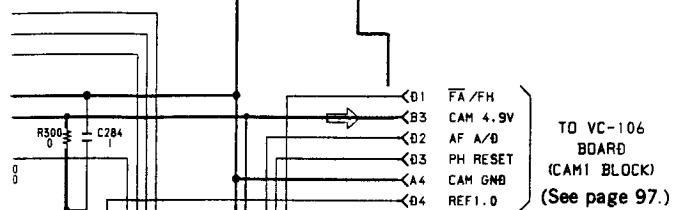
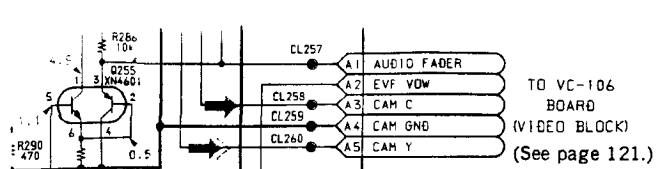
TO AF JIG  
CN251 4P  
TO VS-87  
BOARD  
CN609  
(See page 128.)











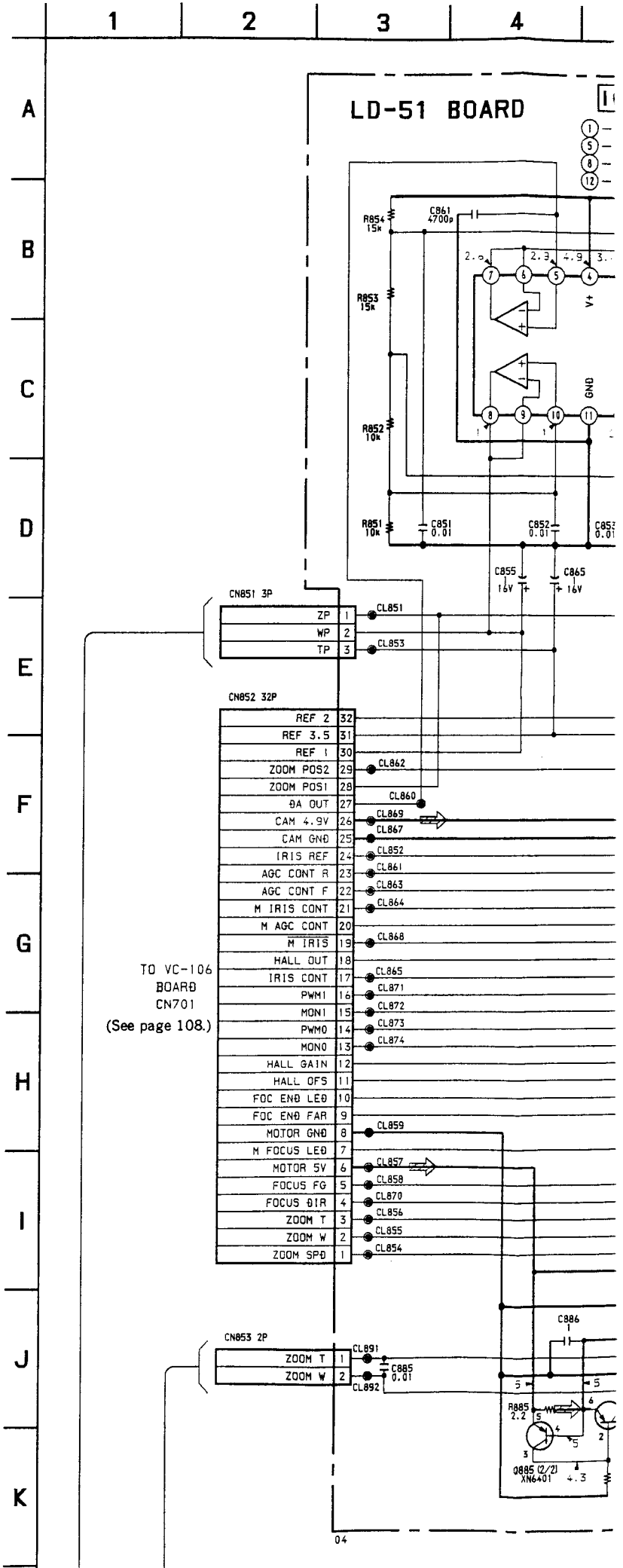
• Signal path

	VIDEO Signal		
	CHROMA	Y	Y/CHROMA
REC	➡	➡➡	➡➡➡
PB	➡	➡➡	➡➡➡

# CD-74 (CCD IMAGER) LD-51 (IRIS/ZOOM/FOCUS MOTOR DRIVE)

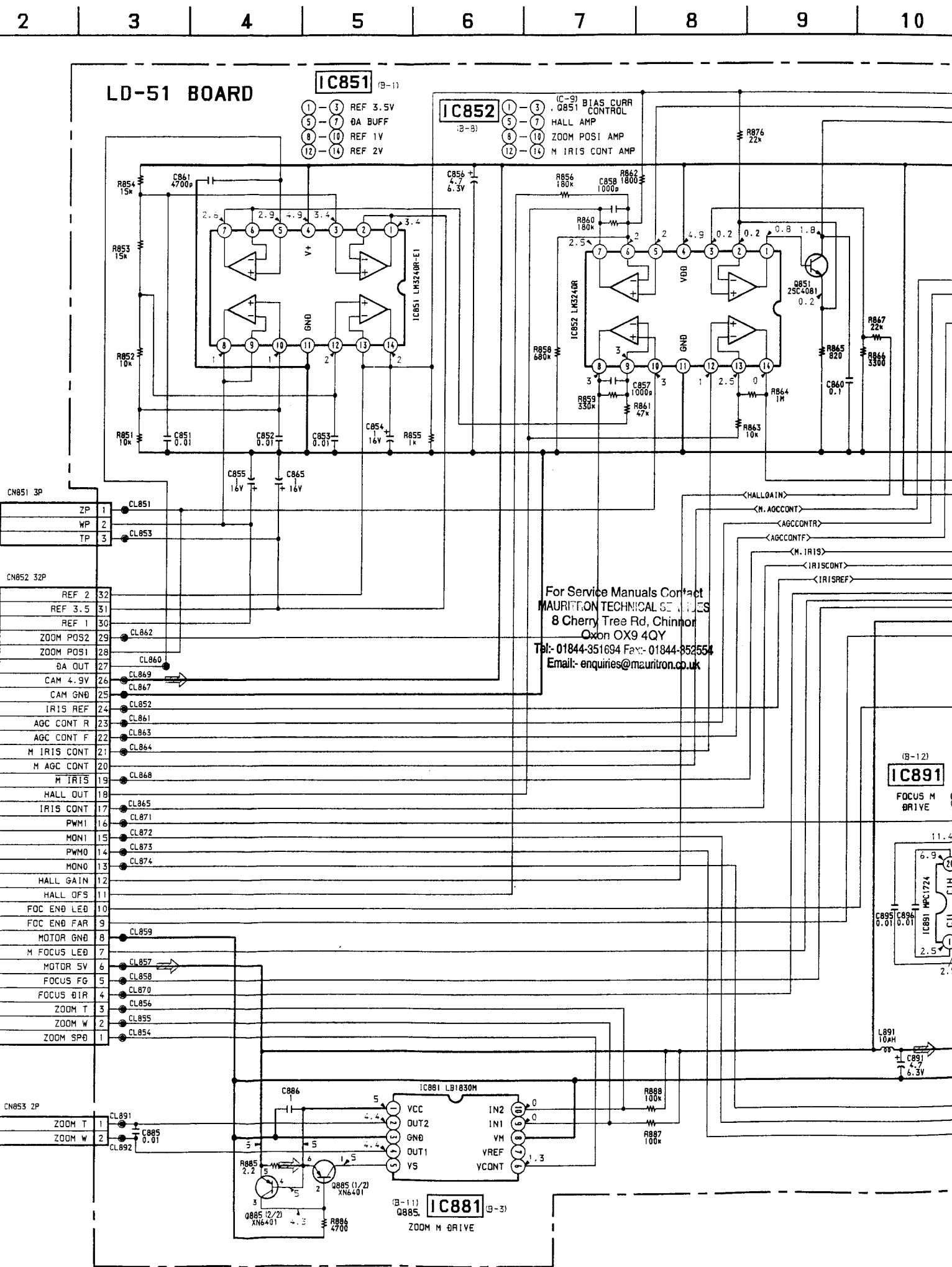
—Ref. No. CD-74 and LD-51 BOARDS : 2000 series—

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 8 Cherry Tree Rd, Chinnor  
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 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk



# LD-51 (IRIS/ZOOM/FOCUS MOTOR DRIVE) SCHEMATIC DIAGRAM

LD-51 BOARDS : 2000 series—



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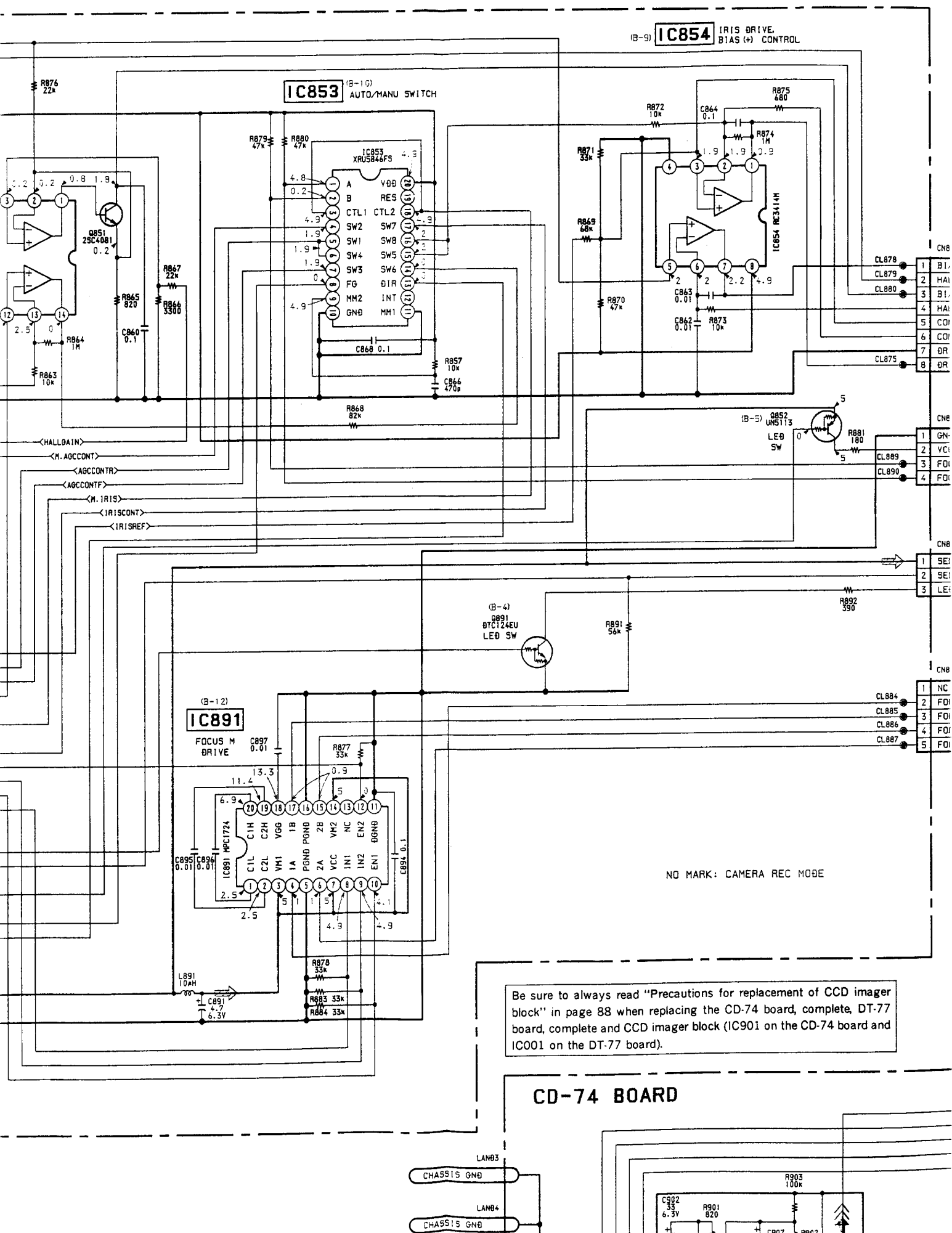
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Be sure to always read "Precautions for replacement of CCD imager block" in page 88 when replacing the CD-74 board, complete, DT-77 board, complete and CCD imager block (IC901 on the CD-74 board and IC001 on the DT-77 board).

CD-74 BOARD



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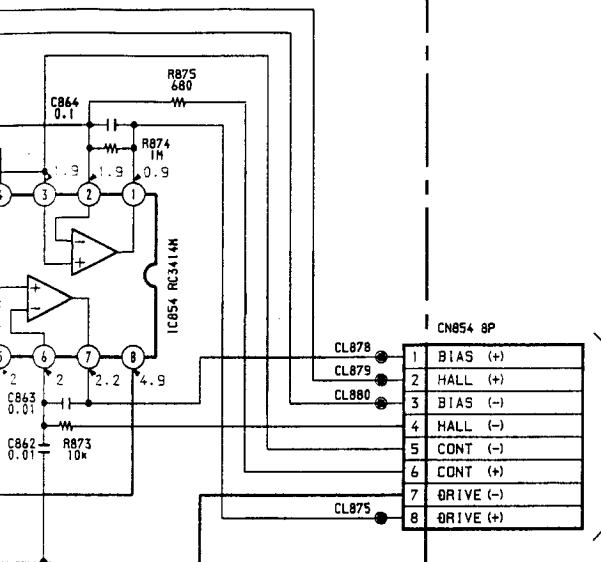
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20

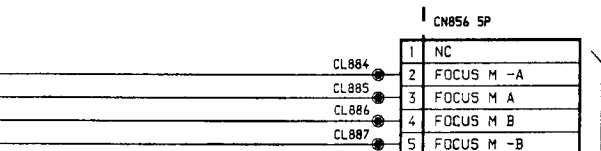
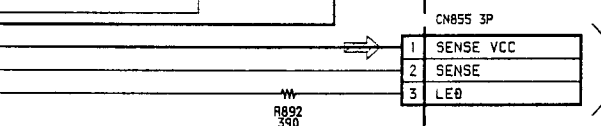
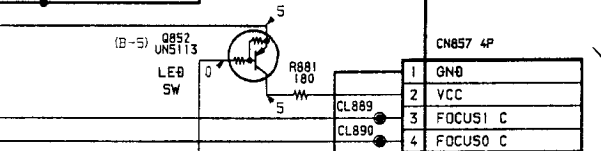
21

22

# C854 IRIS DRIVE, BIAS (+) CONTROL

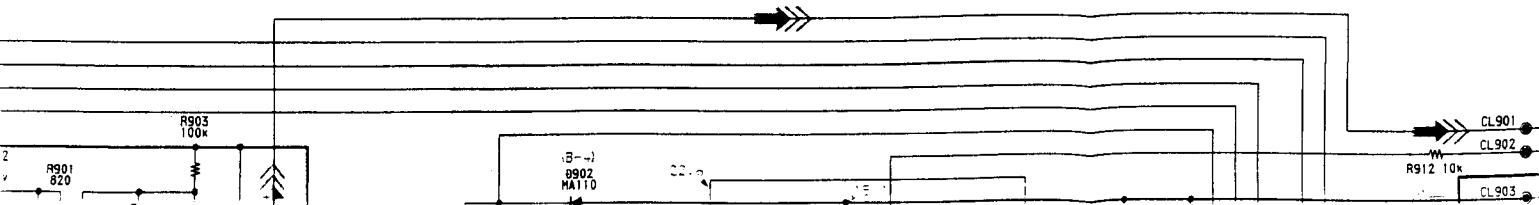


For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk



MARK: CAMERA REC MODE

Precautions for replacement of CCD imager  
 Replacing the CD-74 board, complete, DT-77  
 larger block (IC901 on the CD-74 board and



20	21	22	23	24	25
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A

B

C

D

E

F

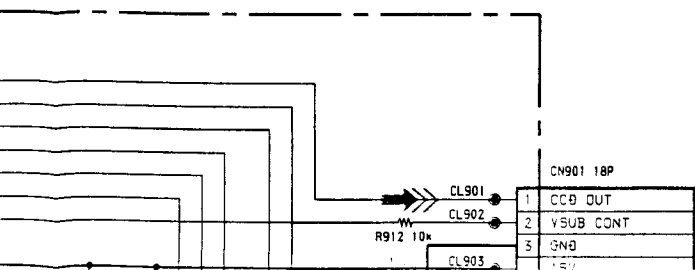
G

H

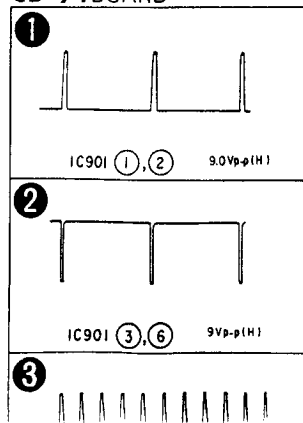
I

J

K



# CD-74 BOARD



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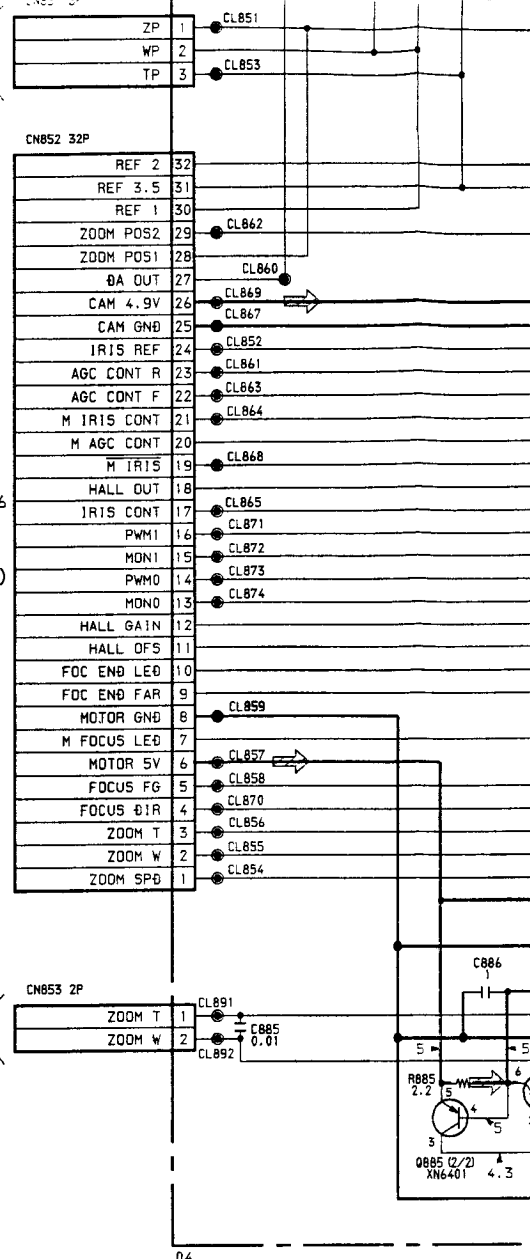
L

M

N

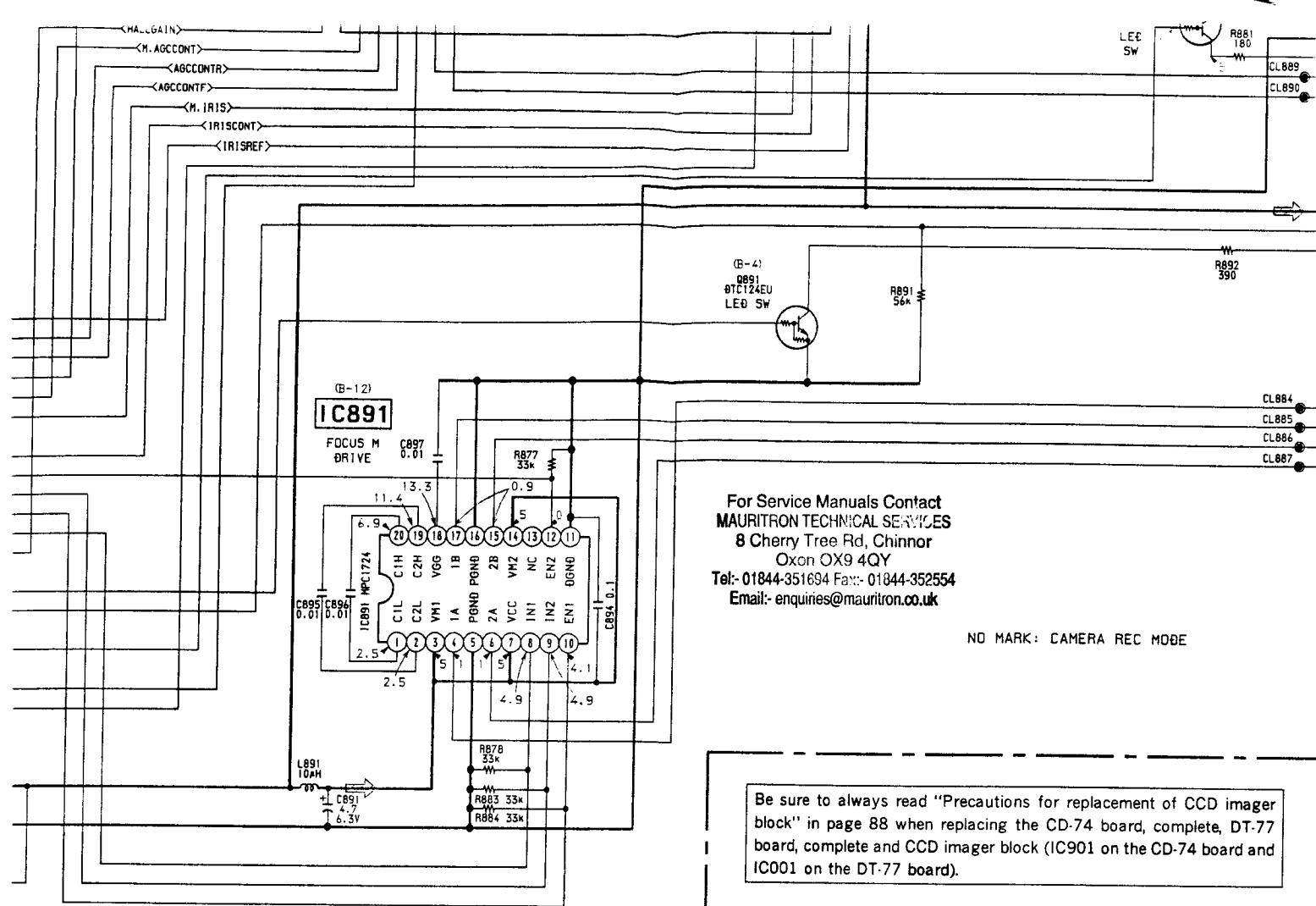
O

TO VC-106  
BOARD  
CN701  
(See page 108.)



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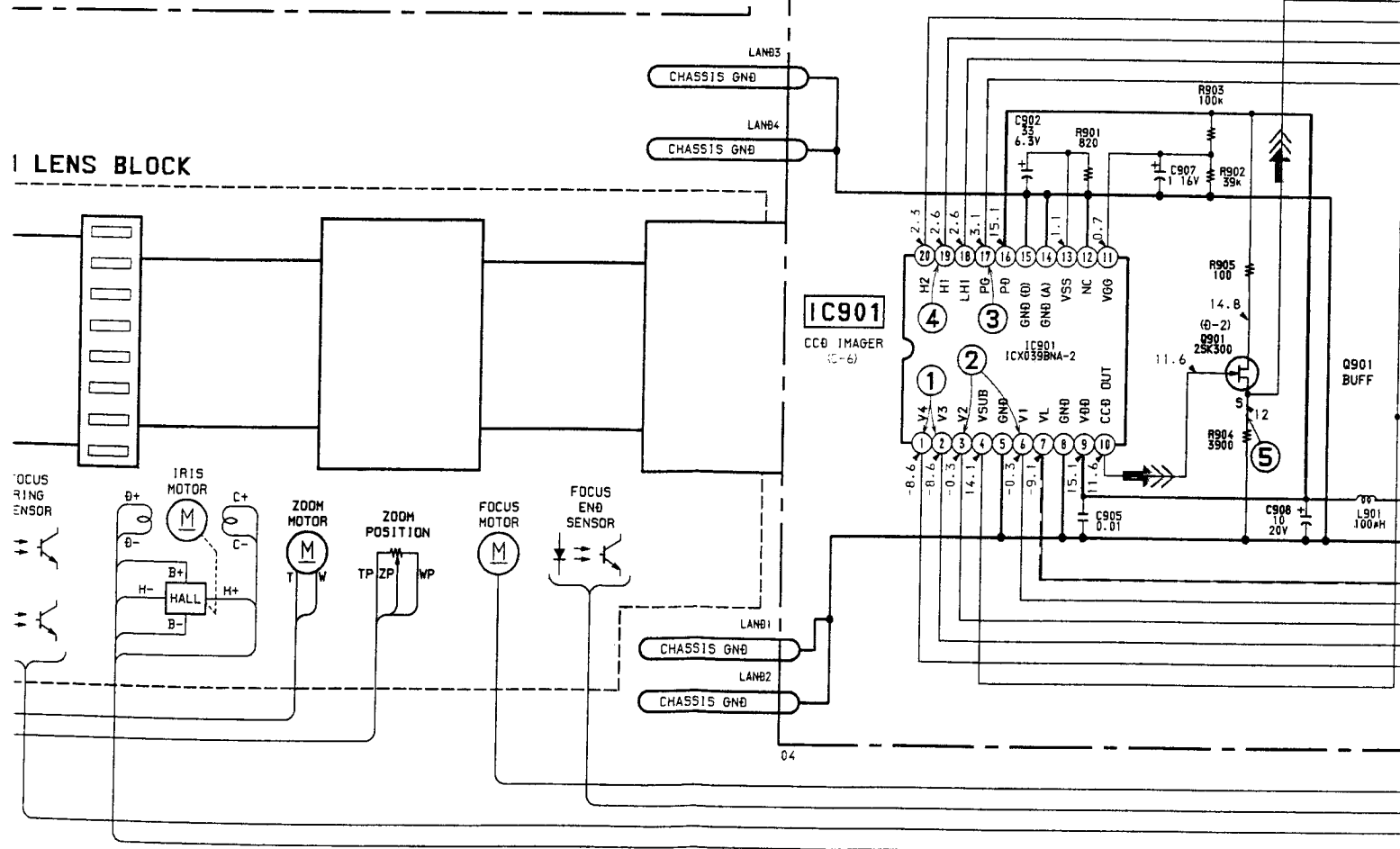




Be sure to always read "Precautions for replacement of CCD imager block" in page 88 when replacing the CD-74 board, complete, DT-77 board, complete and CCD imager block (IC901 on the CD-74 board and IC001 on the DT-77 board).

## CD-74 BOARD

## LENS BLOCK





E

F

G

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 Email:- enquiries@mauritron.co.uk

H

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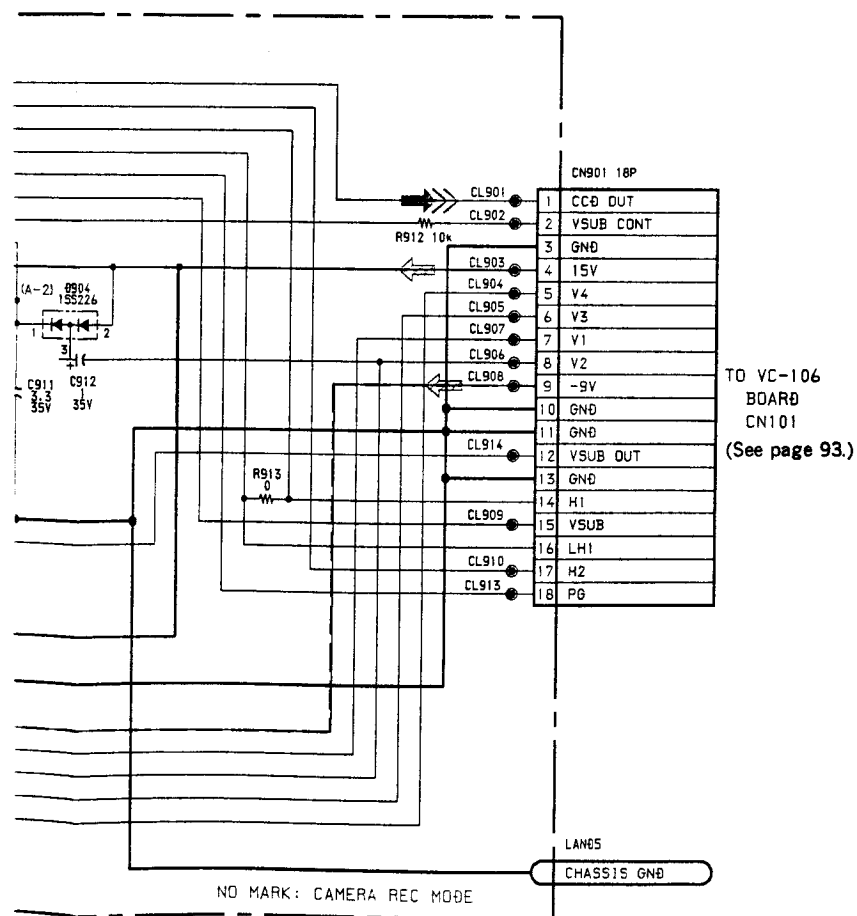
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L

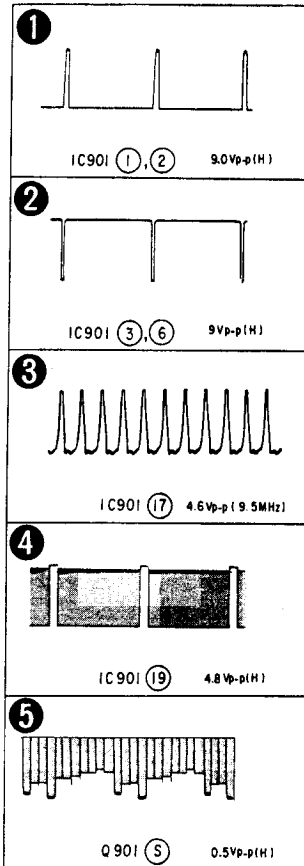
M

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O



### CD-74 BOARD



### • Signal path

	VIDEO Signal		
	CHROMA	Y	Y/CHROMA
REC	➡	➡➡	➡➡➡
PB			

CD-74 (CCD IMAGER) LD-51 (IRIS/ZOOM/FOCUS MOTOR DRIVE) PRINTED WIRING BOARDS

—Ref. No. CD-74 and LD-51 BOARDS : 2000 series—

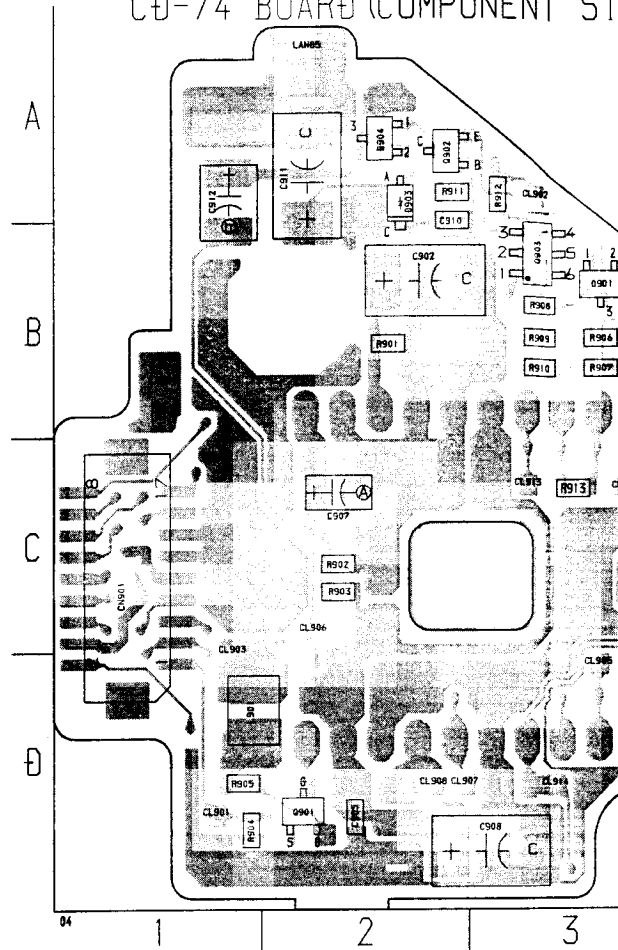
< IC >

IC851	8-759-998-96	LM324D
IC852	8-759-998-96	LM324D
IC853	8-759-513-26	XRU5846FS
IC854	8-759-981-82	RC3414M
IC881	8-759-823-51	LB1830M
IC891	8-759-038-81	MPC1724M

< TRANSISTOR >

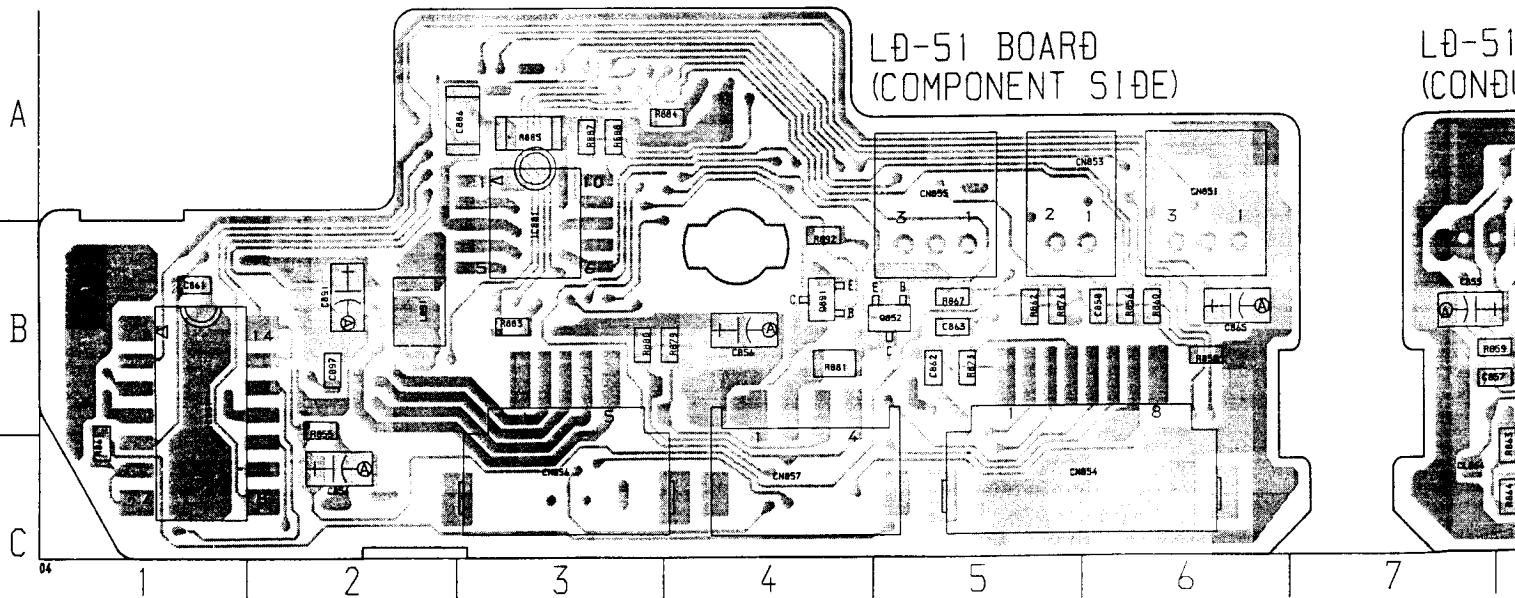
Q851	8-729-905-35	2SC4081-R
Q852	8-729-403-35	UN5113
Q885	8-729-925-42	1MT2
Q891	8-729-905-61	DTC124EU

CD-74 BOARD (COMPONENT SIDE)



LD-51 BOARD (COMPONENT SIDE)

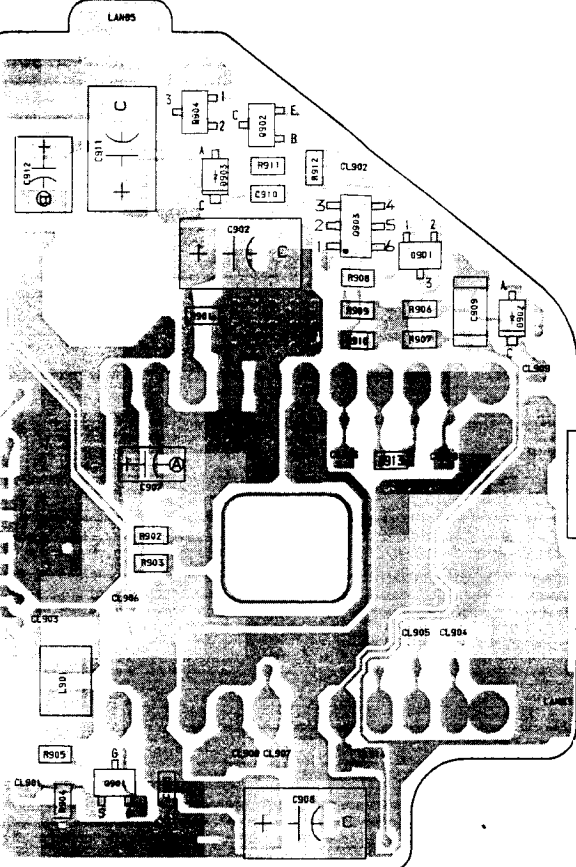
LD-51 (CONDL



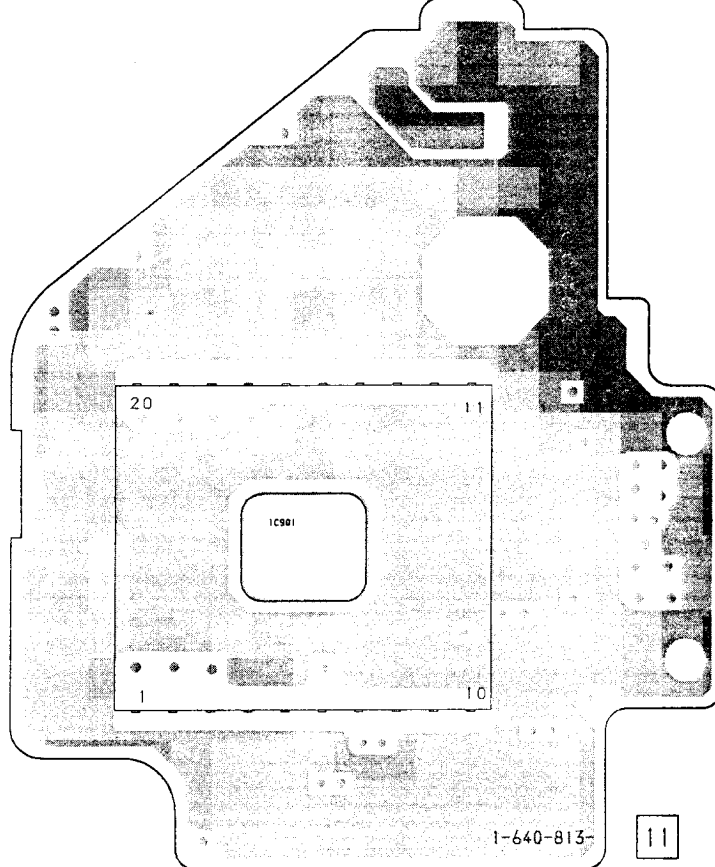


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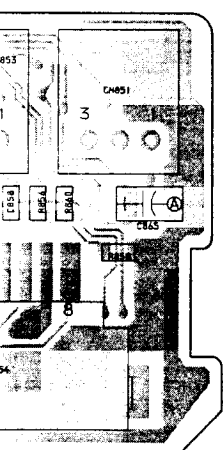
74 BOARD (COMPONENT SIDE)



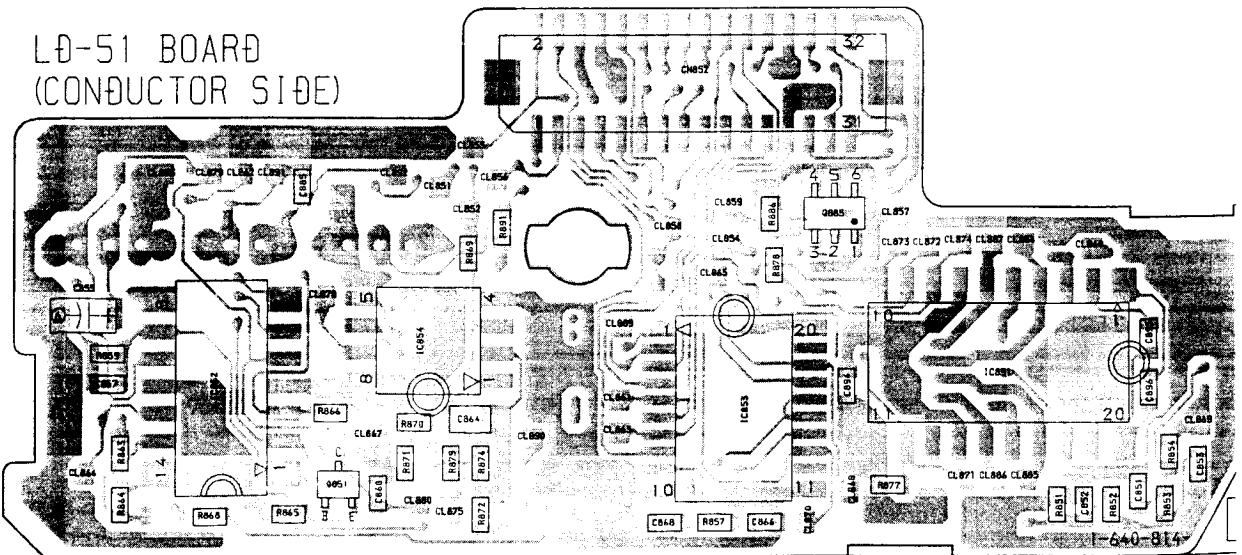
CD-74 BOARD (CONDUCTOR SIDE)



0 SIDE)



LD-51 BOARD  
(CONDUCTOR SIDE)



D901 8-719-820-05 1SS181  
D902 8-719-404-46 MA110  
D903 8-719-404-46 MA110  
D904 8-719-800-76 1SS226

IC901 8-752-606-77 IC ICX039BNA-2 (CCD IMAGER)

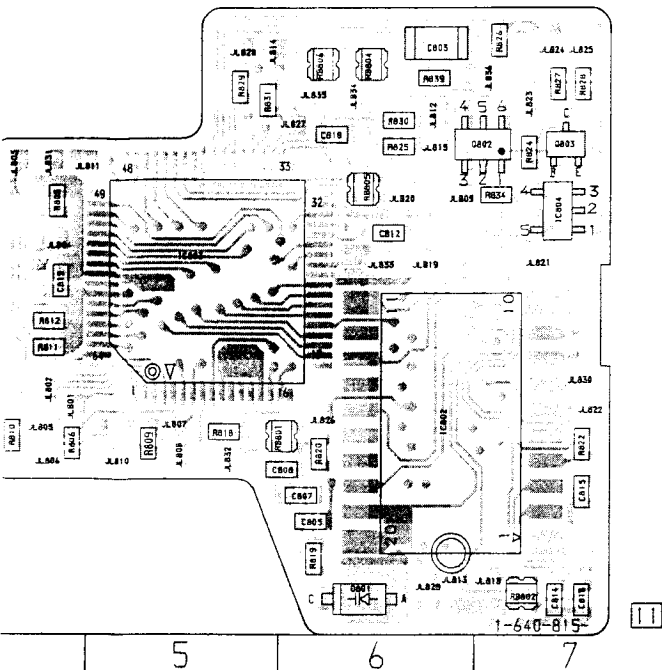
Q901 8-729-232-86 2SK1875-BL/V-TE85L  
Q902 8-729-905-35 2SC4081-R  
Q903 8-729-402-19 XN6501

Be sure to always read "Precautions for replacement of CCD imager block" in page 88 when replacing the CD-74 board, complete, DT-77 board, complete and CCD imager block (IC901 on the CD-74 board and IC001 on the DT-77 board).

## TI-40 BOARD (COMPONENT SIDE)

[illegible]

# T1-40 BOARD (CONDUCTOR SIDE)



## < DIODE >

D801 8-713-300-88 1T33C

## < IC >

IC801 8-759-507-53 MS6264CLL

IC802 8-759-518-62 M8-90071-104-PF

IC803 8-759-053-02 M887818

IC804 8-759-234-20 TC7S08F

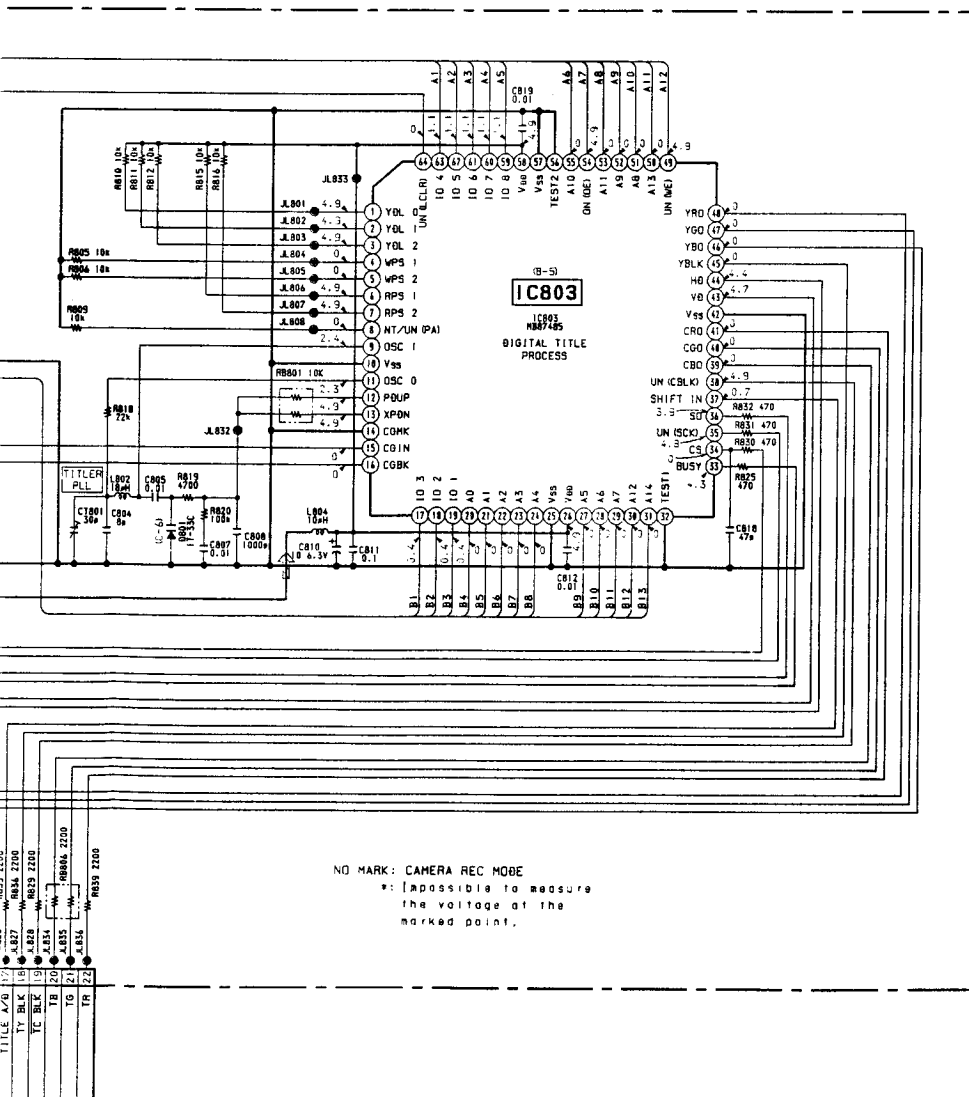
## < TRANSISTOR >

Q801 8-729-905-18 DTC144EU

Q802 8-729-403-24 XN4210

Q803 8-729-905-18 DTC144EU

6 7 8 9 10 11 12 13



## &lt; DIODE &gt;

D152	8-719-949-46	1T32
D153	8-719-404-46	MA110
D251	8-719-404-46	MA110
D253	8-719-404-46	MA110
D254	8-719-404-46	MA110
D351	8-719-404-46	MA110
D401	8-719-421-03	MA732
D402	8-719-404-35	MA141WK
D403	8-719-820-05	1SS181
D404	8-719-820-05	1SS181
D405	8-719-404-35	MA141WK
D406	8-719-404-46	MA110
D551	8-719-404-46	MA110
D552	8-719-404-35	MA141WK
D553	8-719-404-46	MA110

## &lt; HIC &gt;

HIC101 A-7068-194-A DT-77 BOARD, COMPLETE

## &lt; IC &gt;

IC151	8-752-339-77	CX02111R-T3
IC201	8-752-340-34	CXL1507AN
IC202	8-752-332-69	CXL5504M
IC203	8-752-038-97	CXA1391R
IC204	8-759-946-00	MB88341PFV
IC251	8-759-946-00	MB88341PFV
IC252	8-752-056-04	CXA1609N
IC253	8-752-039-49	CXA1393AN
IC254	8-752-057-59	CXA1592R
IC255	8-759-521-09	MB88346APFV
IC256	8-759-512-59	MB88352PFV
IC257	8-759-937-56	S-8054ALB-LM-S
IC258	8-759-008-67	MC14066BF
IC260	8-759-998-96	LM324D
IC261	8-759-044-05	MC68HC11L6FUSC400607
IC351	8-759-605-61	CXA1203N
IC401	8-752-036-19	CXA1207AR
IC501	8-752-036-20	CXA1208R
IC551	8-752-333-24	CXL1506M
IC552	8-752-333-24	CXL1506M
IC701	8-752-348-74	CXD2104AN
IC731	8-759-998-92	LM393D
IC732	8-759-509-17	XRU4053BF
IC733	8-759-998-98	LM358D

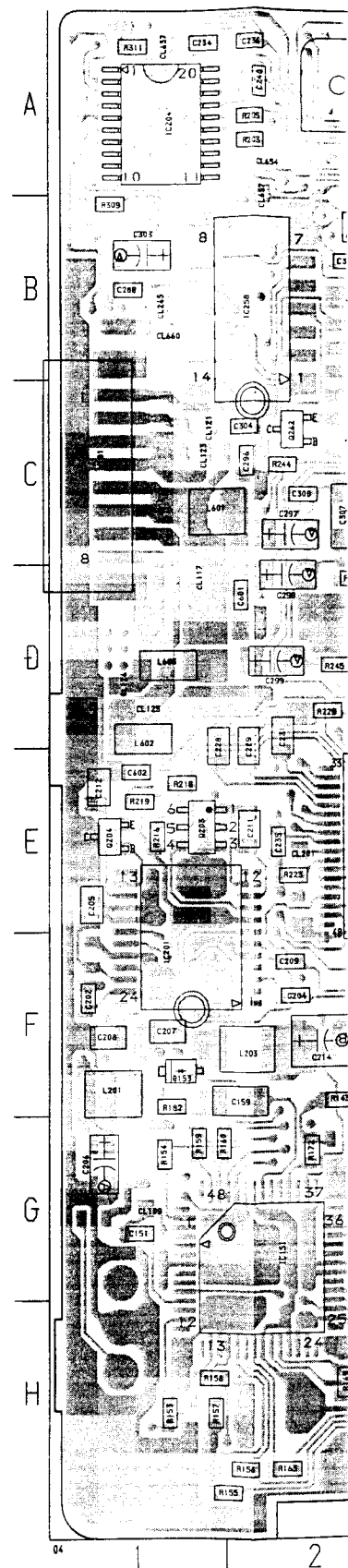
## &lt; TRANSISTOR &gt;

Q101	8-729-907-46	1M21
Q102	8-729-907-46	1M21
Q103	8-729-907-46	1M21
Q104	8-729-925-42	1M22
Q105	8-729-907-46	1M21
Q106	8-729-907-46	1M21
Q107	8-729-402-45	UN5212
Q108	8-729-905-35	2SC4081-R
Q151	8-729-905-35	2SC4081-R
Q201	8-729-905-23	2SA1576-R
Q202	8-729-905-23	2SA1576-R
Q203	8-729-925-42	1M22
Q204	8-729-905-23	2SA1576-R
Q205	8-729-905-23	2SA1576-R
Q251	8-729-907-46	1M21
Q252	8-729-905-18	DTC144EU
Q253	8-729-905-23	2SA1576-R
Q254	8-729-905-35	2SC4081-R
Q255	8-729-907-46	1M21
Q256	8-729-905-23	2SA1576-R
Q259	8-729-925-39	1MH8
Q260	8-729-925-42	1M22

Q261	8-729-420-50	UN5215
Q262	8-729-905-35	2SC4081-R
Q263	8-729-925-39	1MH8
Q264	8-729-420-50	UN5215
Q351	8-729-905-12	DTA144EU
Q352	8-729-905-18	DTC144EU
Q353	8-729-905-35	2SC4081-R
Q354	8-729-905-35	2SC4081-R
Q355	8-729-905-35	2SC4081-R
Q356	8-729-905-18	DTC144EU
Q401	8-729-920-48	1MH2
Q402	8-729-907-39	1M22
Q403	8-729-905-23	2SA1576-R
Q404	8-729-905-18	DTC144EU
Q405	8-729-824-05	3SK248
Q406	8-729-905-18	DTC144EU
Q408	8-729-905-12	DTA144EU
Q409	8-729-824-02	2SA1838-TL
Q410	8-729-905-12	DTA144EU
Q411	8-729-403-06	XN1113
Q412	8-729-905-18	DTC144EU
Q413	8-729-905-18	DTC144EU
Q414	8-729-423-52	2SC3931
Q415	8-729-824-02	2SA1838
Q416	8-729-905-18	DTC144EU
Q417	8-729-905-35	2SC4081-R
Q418	8-729-905-23	2SA1576-R
Q419	8-729-905-23	2SA1576-R
Q420	8-729-905-35	2SC4081-R
Q421	8-729-905-18	DTC144EU
Q422	8-729-823-16	2SC4555-5.6.7
Q423	8-729-823-16	2SC4555-5.6.7
Q424	8-729-905-18	DTC144EU
Q425	8-729-905-18	DTC144EU
Q426	8-729-905-12	DTA144EU
Q427	8-729-905-18	DTC144EU
Q428	8-729-905-18	DTC144EU
Q429	8-729-905-18	DTC144EU
Q430	8-729-423-52	2SC3931
Q431	8-729-423-52	2SC3931
Q432	8-729-907-26	1MX1
Q433	8-729-905-35	2SC4081-R
Q434	8-729-905-35	2SC4081-R
Q435	8-729-905-12	DTA144EU
Q437	8-729-403-06	XN1113
Q438	8-729-423-52	2SC3931
Q439	8-729-920-99	DTA114EU
Q440	8-729-905-23	2SA1576-R
Q441	8-729-403-06	XN1113
Q442	8-729-403-07	XN1213
Q443	8-729-905-18	DTC144EU
Q444	8-729-905-18	DTC144EU
Q446	8-729-905-18	DTC144EU
Q447	8-729-905-18	DTC144EU
Q501	8-729-905-35	2SC4081-R
Q502	8-729-905-35	2SC4081-R
Q505	8-729-905-23	2SA1576-R
Q506	8-729-905-35	2SC4081-R
Q507	8-729-905-35	2SC4081-R
Q508	8-729-905-35	2SC4081-R
Q509	8-729-905-12	DTA144EU
Q510	8-729-423-52	2SC3931
Q511	8-729-905-18	DTC144EU
Q512	8-729-905-35	2SC4081-R
Q513	8-729-905-18	DTC144EU
Q514	8-729-905-18	DTC144EU
Q551	8-729-807-87	2SB1295-UL6
Q552	8-729-905-18	DTC144EU

VC-106 (VIDEO) PRINTED WIR  
-Ref. No. VC-106 BOARD : 10

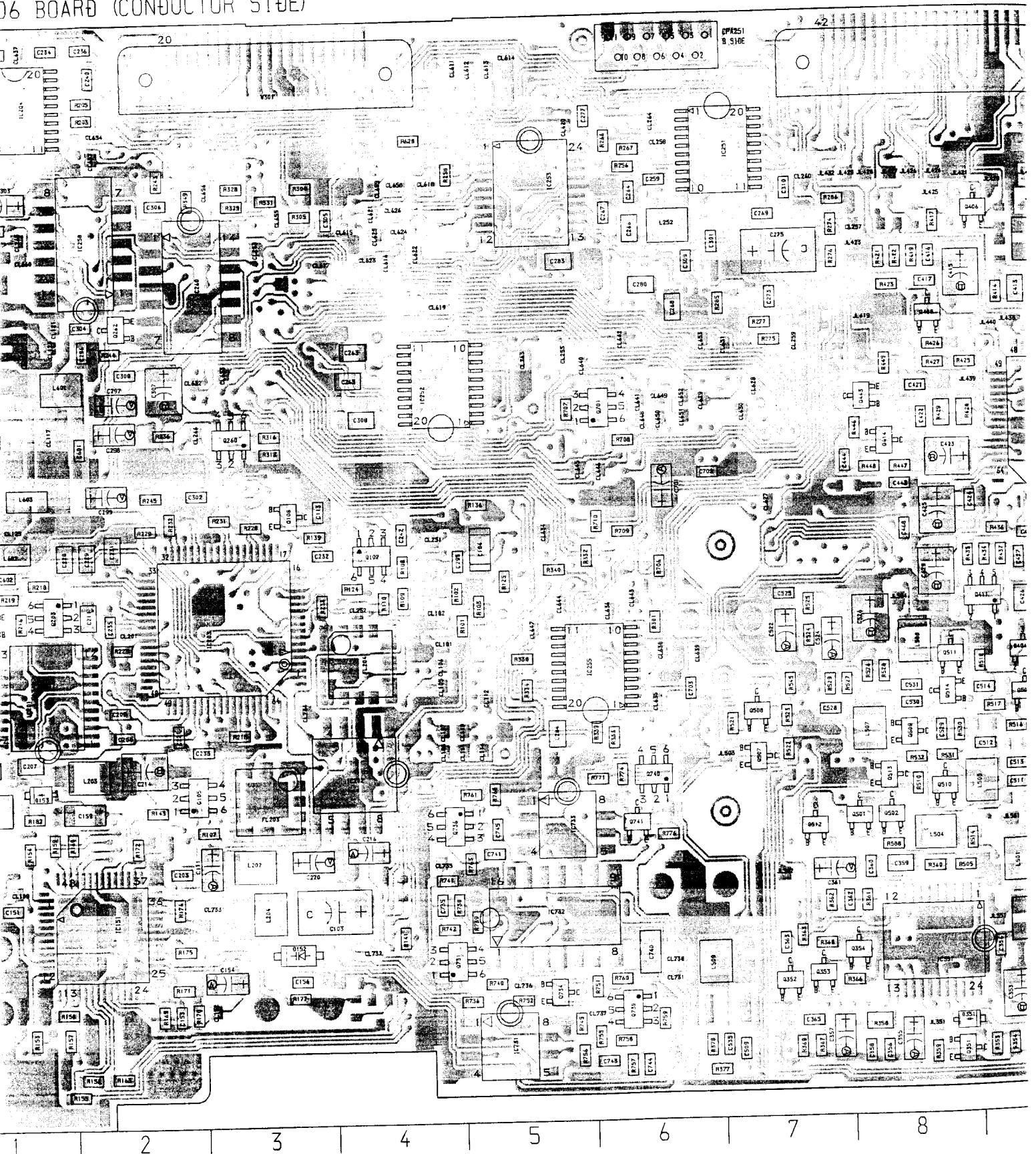
## VC-106 BOARD (CON)



VIDEO) PRINTED WIRING BOARD  
VC-106 BOARD: 1000 series—

Q553	8-729-807-87	2S81295-UL6	Q701	8-729-907-46	1M21	Q739	8-729-905-35	2SC4081-R
Q554	8-729-905-18	DTC144EU	Q731	8-729-920-59	1MX2	Q740	8-729-920-59	1MX2
Q555	8-729-905-23	2SA1576-R	Q733	8-729-905-35	2SC4081-R	Q741	8-729-905-35	2SC4081-R
Q556	8-729-905-35	2SC4081-R	Q734	8-729-905-23	2SA1576-R			
Q557	8-729-905-35	2SC4081-R	Q735	8-729-920-59	1MX2			
Q558	8-729-905-18	DTC144EU	Q736	8-729-920-59	1MX2			
Q559	8-729-905-23	2SA1576-R	Q737	8-729-907-46	1M21			
Q560	8-729-905-35	2SC4081-R	Q738	8-729-905-23	2SA1576-R			

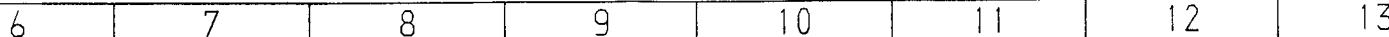
06 BOARD (CONDUCTOR SIDE)



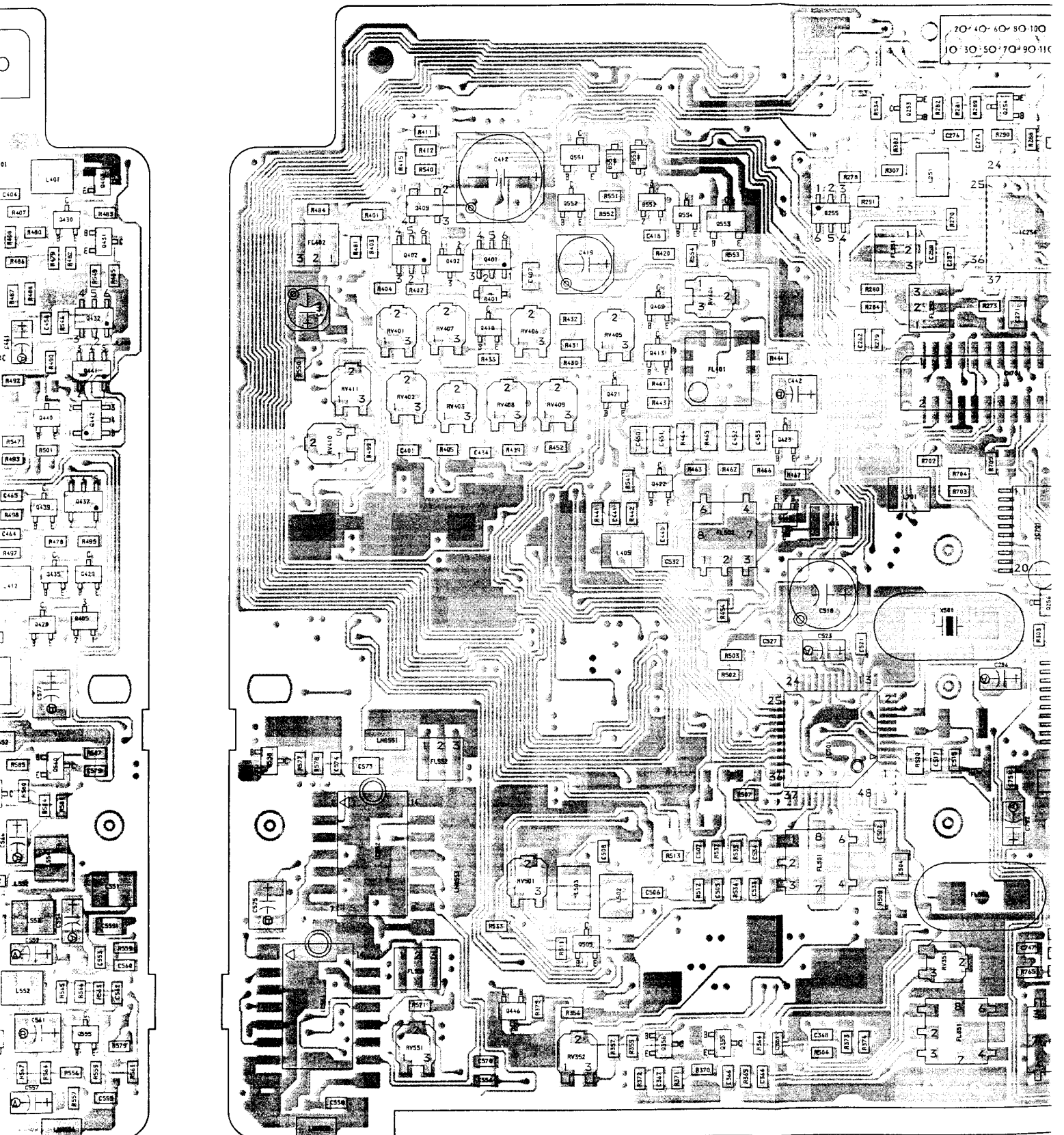


Q741 8-729-905-35 2SC4081-R

VC-10

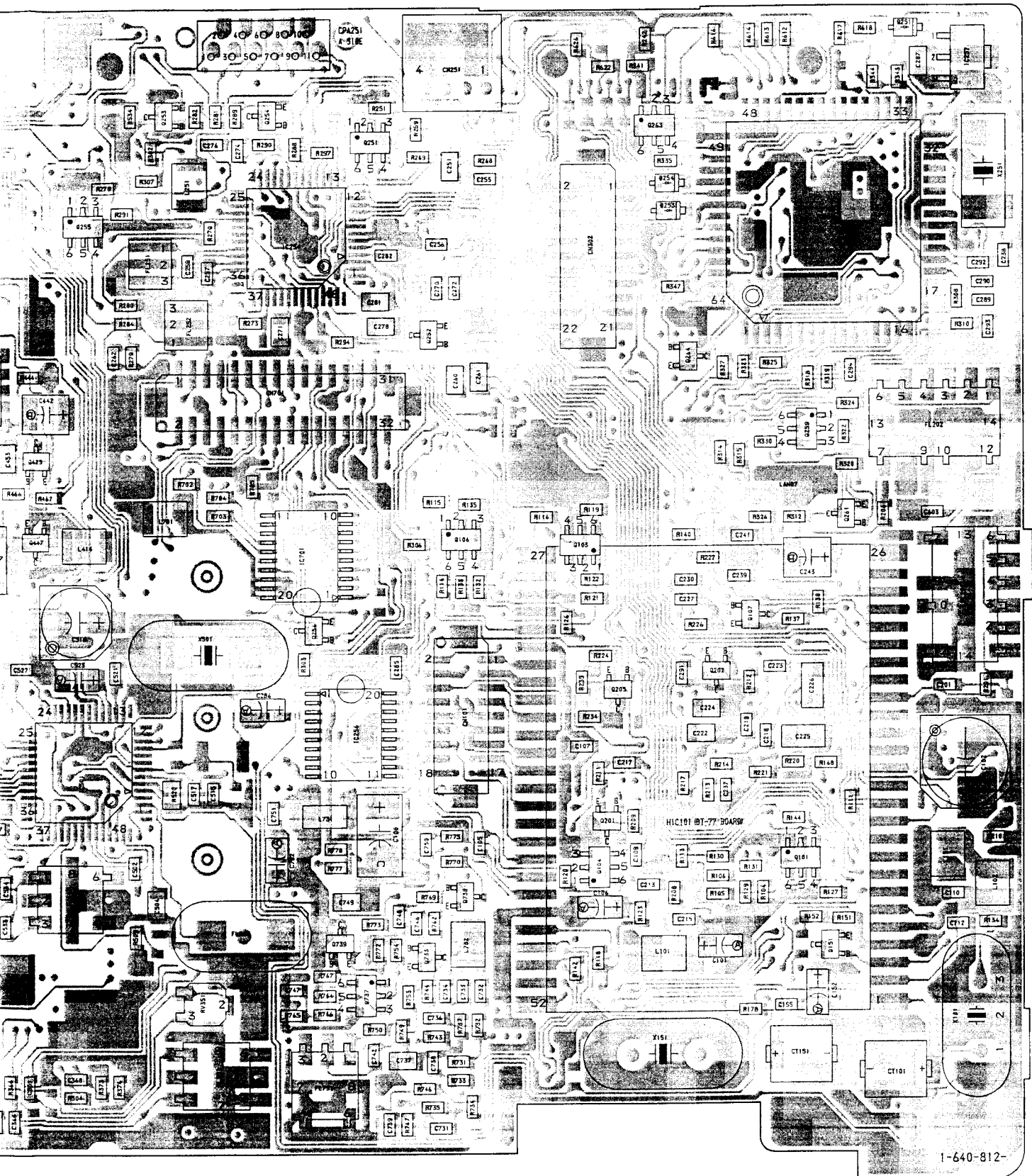


# VC-106 BOARD (COMPONENT SIDE)





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1-640-812-

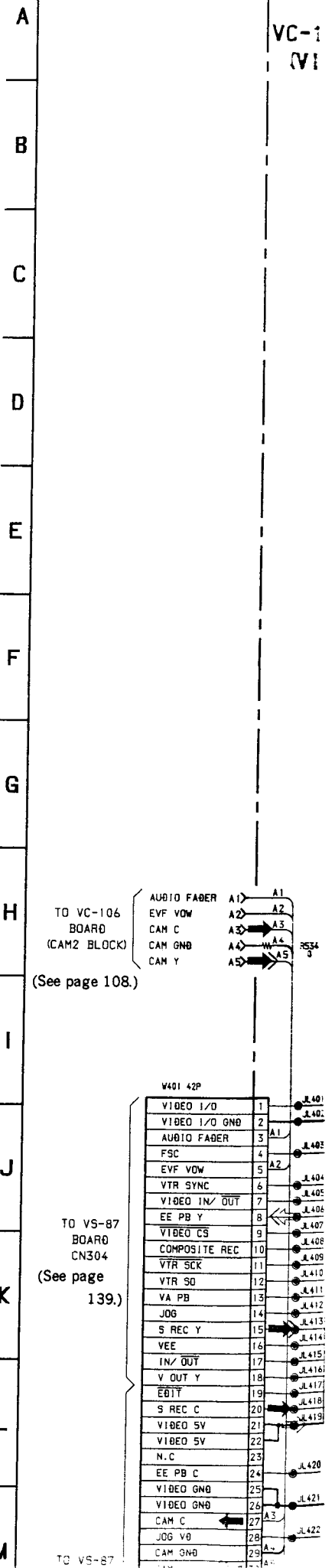
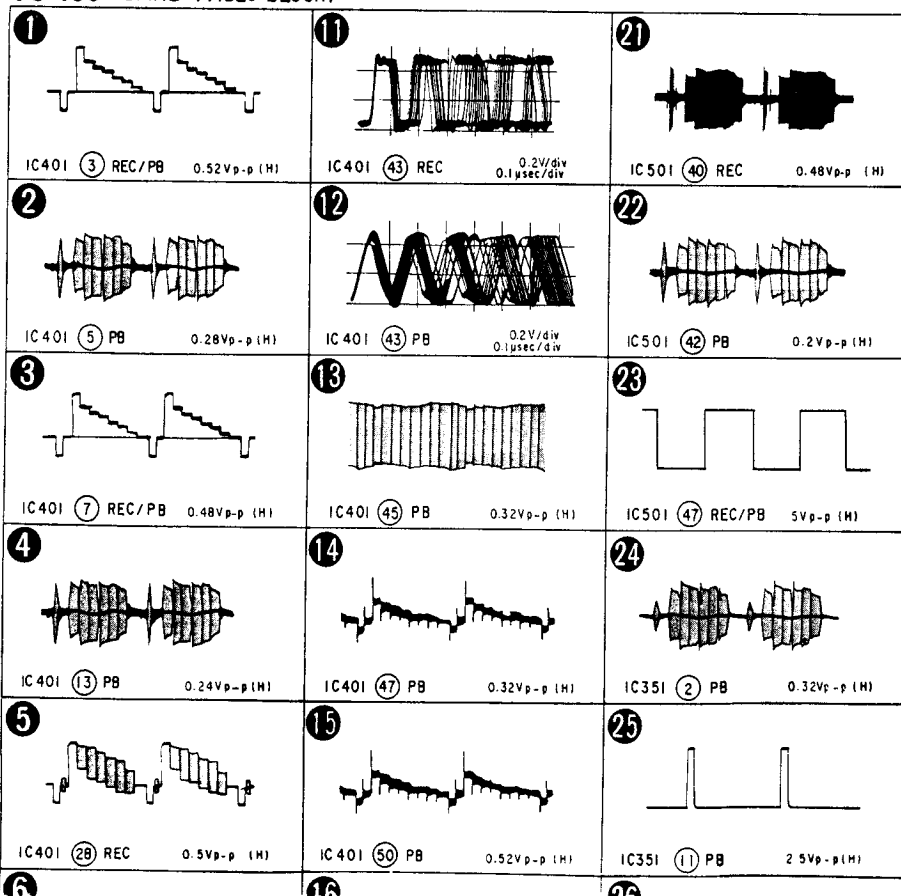
13

17 18 19 20 21 22 23

VIDEO

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## VC-106 BOARD (VIDEO BLOCK)



—Ref. No. VC-106 BOARD : 1000 series—

